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JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 16P SHORT  
RANGE AIR DEFENSE ARTILLERY MISSILE CREWMAN(U) DEFENSE  
LANGUAGE INST LACKLAND AFB TX ENGLISH LANGUAGE CENTER..

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JOB LANGUAGE PERFORMANCE REQUIREMENTS  
FOR ~~16P~~ *MOS*  
SHORT RANGE AIR DEFENSE ARTILLERY MISSILE CREWMAN

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to deter- mine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified. ←		

**JOB LANGUAGE PERFORMANCE REQUIREMENTS  
FOR 16P**

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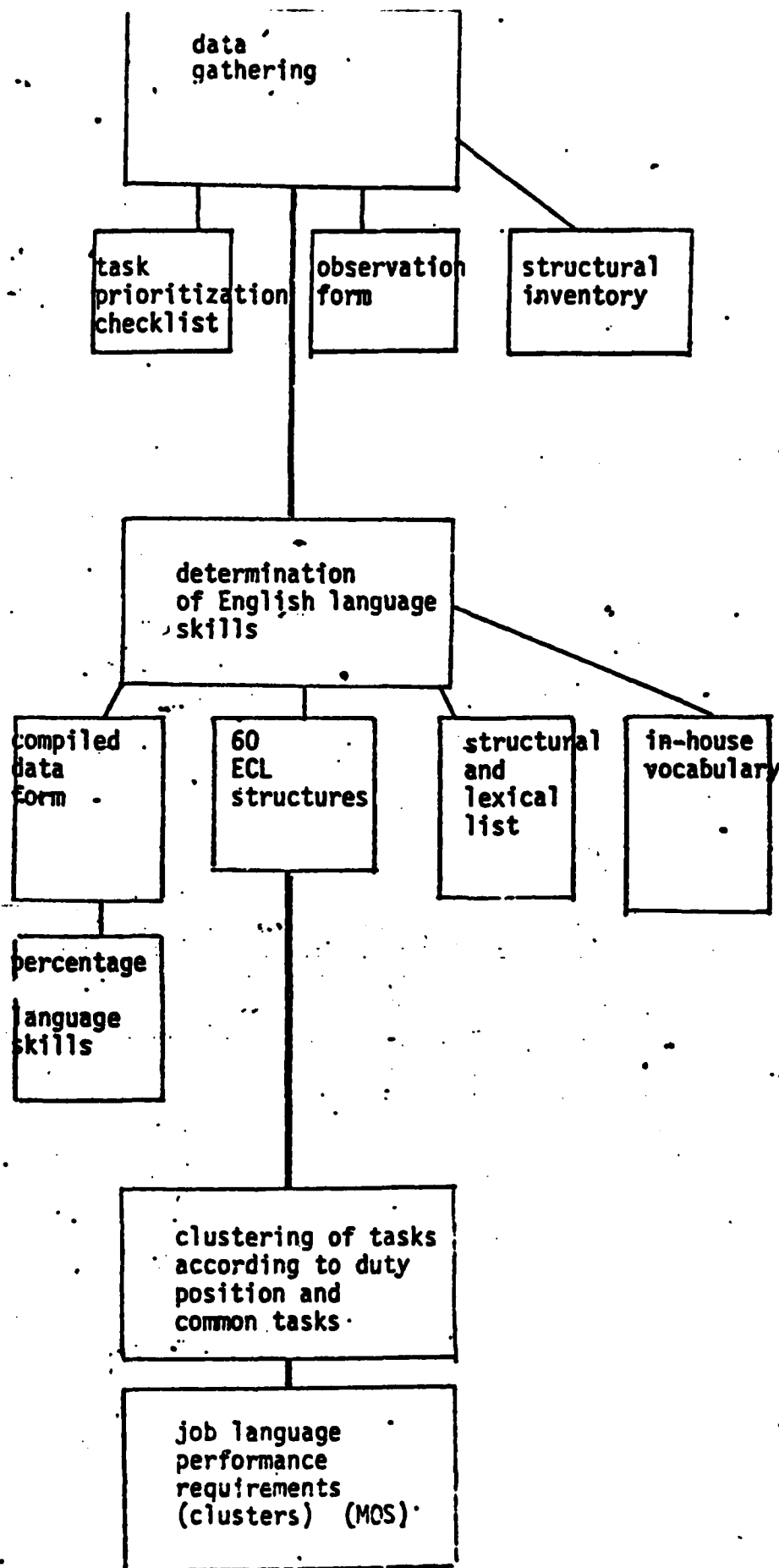


FIGURE 1

## CONTENTS

	PREFACE	iii-iv
SECTION I	<u>DATA GATHERING</u>	1-1
	Methods	
	Forms	
	Conclusion	
SECTION II	<u>DETERMINATION OF ENGLISH LANGUAGE SKILLS</u>	2-1
	Organization of data	
	Table of language skills	
	Forms	
	Vocabulary	
	Conclusion	
SECTION III	<u>CLUSTERING COMMON AND DUTY POSITION TASKS</u>	3-1
	Explanation	
	Clusters	
SECTION IV	<u>JOB LANGUAGE PERFORMANCE REQUIREMENTS</u>	4-1
	Format	
	Task	
	Explanation of language tasks vs MOS tasks	
	Conditions	
	Standards	
	Conclusion	
SECTION V	<u>JOB LANGUAGE PERFORMANCE REQUIREMENTS</u>	5-1
	<u>CLUSTER</u>	
	TITLE	
	Percentage Language Skills	
	Job Language Performance Requirements	
	Task numbers	
	Task names	
SECTION VI	<u>JOB LANGUAGE PERFORMANCE REQUIREMENTS</u>	6-1
	<u>Entire MOS</u>	
APPENDICES		
1.	Task Prioritization Checklist	A 1-
2.	Task Inventory Compiled Data Form	A 2-
3.	Percentage Language Skills	A 3-
4.	Observation Forms	A 4-
5.	Structural/Lexical List	A 5-
6.	Vocabulary (in house)	A 6-
7.	Vocabulary (machine-generated)	A 7-
8.	60 ECL Structures	A 8-

## PREFACE

Instructions for review of Job Language Performance Requirements for 16P.

### Military Reviewers:

Please look over Sections I through IV. These sections discuss the gathering of data, organization of data, and clustering of the tasks. Sections V and VI are the main products of the entire process, the Job Language Performance Requirements per cluster, and finally, for the entire MOS.

Pay careful attention to the Appendices one through eight. These appendices contain all the information used to determine the Job Language Performance Requirements.

You as the reviewer have first hand experience with the tasks and training. Your review will help add much needed input to the design and development of the course. Please write any suggestions or changes directly on the document.

As you look over the document, please keep the following questions in mind:

1. Do the requirements identify the language skills necessary in AIT and the Unit?
2. Do the requirements clearly state what the soldier must do in regard to language?
3. Are there any terms that need to be added or removed completely?
4. On what language skill is the most emphasis placed in AIT and Unit?
5. How much carry-on is there between AIT and Unit requirements in language skills, structure and vocabulary?

Thank you for your cooperation. It is greatly appreciated.

An explanation of Appendices one through eight follows:

Appendix one is the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two is the Task/Inventory Completed Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three is the Percentage of Language Skills. This form includes computations of language skills for each task cluster.

Appendix four is the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five is the final list of structural and lexical items found through data gathering and organization.

Appendix six is the in-house vocabulary list. This is a task by task listing of the vocabulary observed in actual training situations as well as in the Soldier's Manual.

Appendix seven is the machine generated vocabulary for 16P prepared by TRADOC.

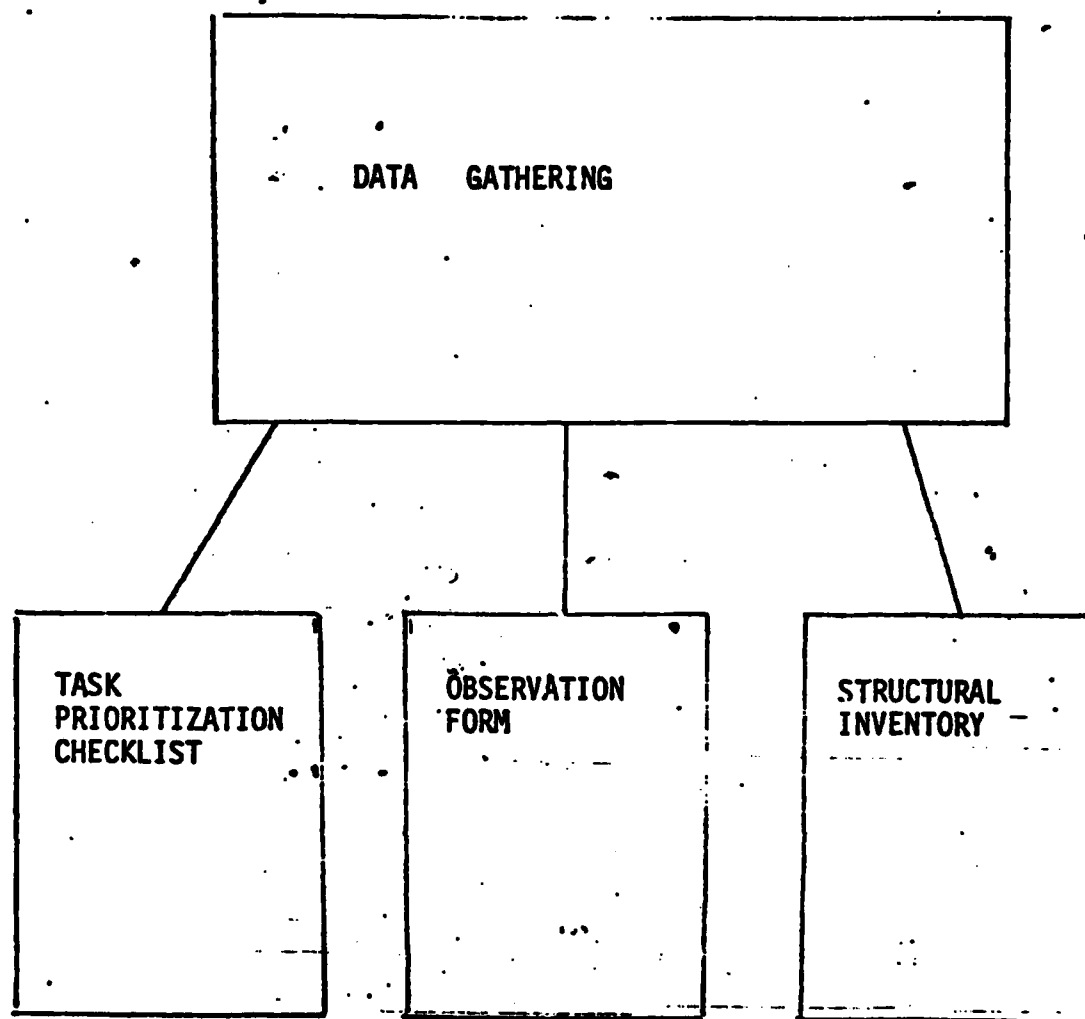
Appendix eight is the list of structural and lexical items requisite to 60 ECL. These were determined through coordination with the Tests and Measurements Section at the Defense Language Institute and the Defense Language Institute, American Language Course Materials.

## SECTION I

### DATA GATHERING

#### INTRODUCTION

To determine the Job Language Performance Requirements for 16P data had to be gathered. The gathering of data and form used are discussed in the following section.



1-2-16P

FIGURE 2

## SECTION I: DATA GATHERING

In order to establish job language performance requirements for MOS 16P missile crewman, the curriculum department at Defense Language Institute (DLI) analyzed the current learning and working situations, user populations and individual tasks pertaining to 16P. The goal was to collect data which would help identify the job language performance requirements not only in the MOS but also in the field of language.

To analyze learning and working situations, user populations and individual tasks, training specialists visited AIT and Unit cadre at Fort Bliss, Texas. Here, interviews were conducted using a Task Prioritization Checklist, (Appendix 1). First line supervisors answered the following questions:

1. Is the task taught?
2. Is the task tested?
3. How is the task tested?
4. How is the task taught?
5. How important are speaking, listening, reading and writing?
6. What are the results of poor performance?

Additional data was gathered through use of an Observation Form and a structural analysis of the Soldier's Manual.

The Observation Form (Appendix 4), was used by the personnel conducting the interviews to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of experts who first listed all structures found in the Soldier's Manual and then all structures, standard and non-standard, noted on the observation forms for 16P. All vocabulary from the Soldier's Manual was also listed. Then all lists were combined into a lexical and structural inventory.

### CONCLUSION:

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 3)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in 16P.)

These tools were used to form the data pool from which the information to determine the Job Language Requirements was found.

## SECTION II

### DETERMINATION OF ENGLISH LANGUAGE SKILLS

#### INTRODUCTION

The data gathered was not immediately useful. It had to be organized into information. The following section discusses the organization of the data to determine the English language skills.

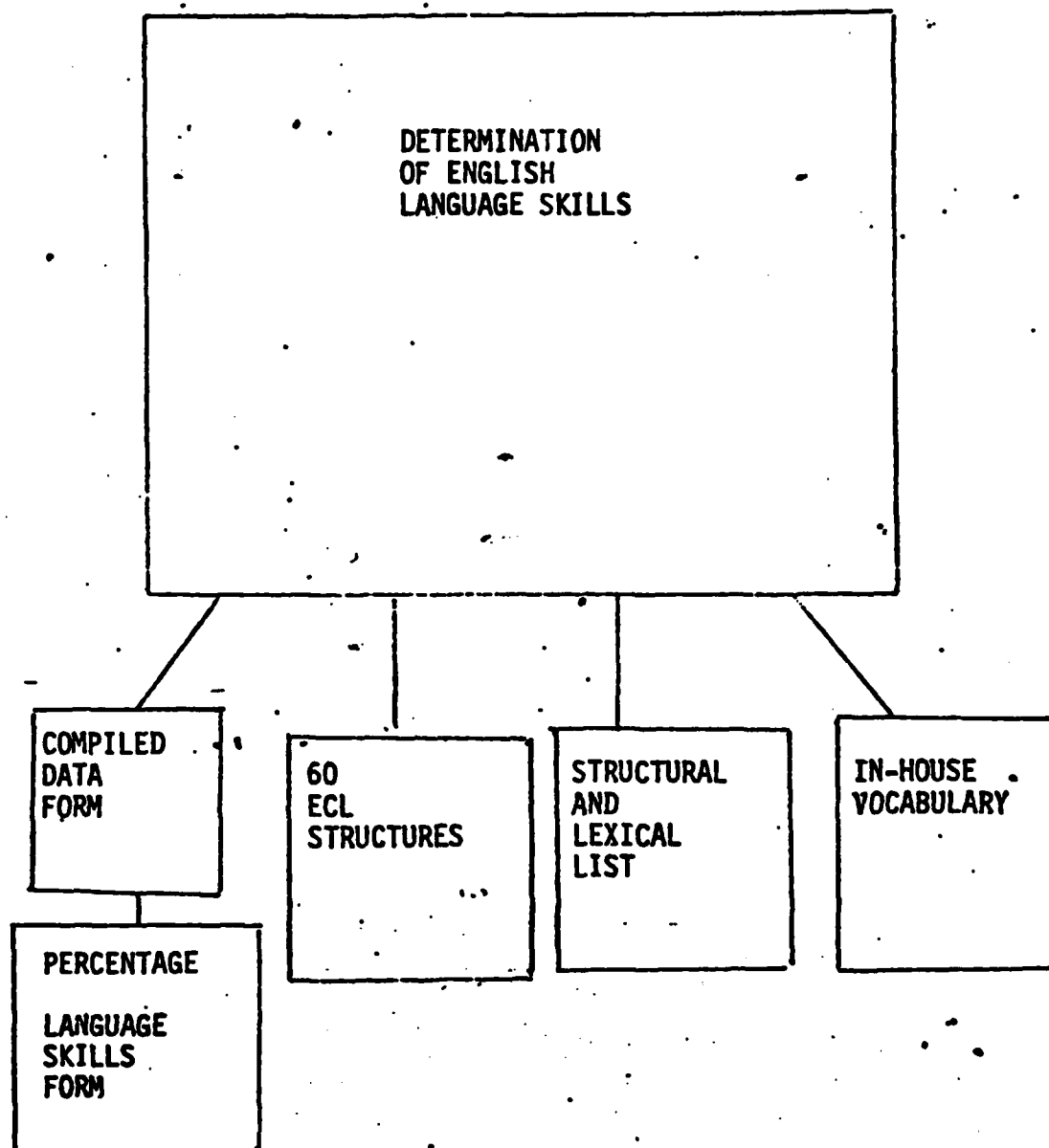


FIGURE 3

The data gained was summarized to determine the English Language skills which the soldier must learn to perform the task.

The Compiled Data Form, Appendix 2, was used to organize the data from the user populations. The information from the Task Prioritization Checklist was recorded directly on this form. Three variables from the prioritization checklist were used to determine the language skills. They were:

1. Methods of teaching.
2. Methods of testing.
3. The ratings given to the English language skills

The three variables were identified as to English language skills involved. The following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing
Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied  a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

\*This is the top portion of the Task Prioritization Checklist from which the information was taken.

<b>*RATING: *RATING:</b> 1 = high    1 = low 2 =            2 = med 3 = average = high 4 = 5 = low	IS TASK TAUGHT?		IMPORTANCE OF		HOW TAUGHT		IS TASK TESTED?		HOW TESTED?					
	YES	NO	LISTENING*	SPEAKING*	READING*	WRITING*	LECTURE	SELF-PACED	DEMONSTRATION	HANDS-ON	YES	NO	WRITTEN	ORAL PERFORMANCE

Answers to the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

Total number of possible answers according to skill in each task multiplied by the total number of respondents to the task.

divisor

Total tally of responses per task per skill from the Compiled Data Form.

dividend

This indicated the percentage of use of the skill in the task. Percentages of skills in the duty position and in the MOS were found by incrementing task number and number of responses, (See Appendix 3). Percentages found in 16P were:

Listening	52.7 %
Speaking	34.1 %
Reading	26.8 %
Writing	24.1 %

As shown by the figures, listening is the most important skill in 16P. However, in a particular duty section, percentages varied. Appendix 3, the Percentage Language Skills Form, shows percentages of skills in each duty position.

Organization of data pertaining to lexical and structural items was done by comparing the in-house structural and lexical list with a list of 60 ECL (English Comprehension Level Examination) requisites. The 60 ECL requisites were determined through research of the American Language Course (ALC) materials. A panel of experts, all of whom have taught ALC materials, listed all lexical and structural items of which mastery is necessary for attainment of a 60 ECL. By comparing the lists, redundancies and unnecessary structures were eliminated from the original list.

We are concerned with those lexical and structural items that are necessary to learn and perform tasks in 16P. The non-native soldier needs these structural and lexical items to successfully complete MOS training. Appendix 5 is the final list of lexical and structural items necessary in 16P. A 60 ECL was used as a base line and does not reflect the specified ECL for entry into MOS training. The 60 ECL was chosen because experience at DLIELC (Defense Language Institute, English Language Center), has shown a 60 ECL to be an excellent indicator of success in training of a non-native speaker.

The lexical and structural items are identified by grammatical title. Appendices 6 and 7 are the actual words, terms, and acronyms found in 16P.

The lexical and structural list is not exhaustive, but it would be impossible to list every structural or lexical item the soldier would be exposed to.

Appendix 6 is a machine generated vocabulary list made by the United States Army Training and Doctrine Command at Fort Monroe, Virginia. Through a review of the current POI, 16P, Skill Level 1 and Soldier's Manual, a subjective evaluation was made on each task to determine the five vocabulary reductions. (Appendix 7) The five categories were:

1. most important
2. substantial importance
3. important
4. limited importance
5. least importance

For our uses, a language oriented reduction was also needed; therefore, an in-house vocabulary list was made.

Using the Soldier's Manual and personnel's observations, a vocabulary list for each task was made. The words were categorized in three ways:

1. Basic Vocabulary. Basic vocabulary is defined as those words, terms, and acronyms that could be taught in basic training or a pre-enlistment course.
2. General vocabulary. General vocabulary is defined as those words, terms, and acronyms common to everyday English.
3. Technical vocabulary. Technical vocabulary is defined as those words, terms, and acronyms that are specific to the MOS training field.

In order to explain any redundancies which may be noted with respect to the language structures and vocabulary items cited in the language performance requirements for the Basic Training ESL course, it should be pointed out that at present it is planned that the basic structures and general English vocabulary necessary for attainment of a 60 ECL will be developed in the materials designed for use either in the Basic Training ESL course or the Pre-enlistment course. The basic soldiering vocabulary will also be developed in the BT materials. It is planned that any language structures identified in the analysis of the 16P Soldier's Manual and the Observation Forms not listed for 60 ECL (Appendix 8), will be developed in the MOS course. Also to be included as part of the language performance requirements is the MOS specific vocabulary. (Appendix 6)

**CONCLUSION:**

Organization of the data included the recording of responses on the Task Inventory/Compiled Data Form, use of the Percentage Language Skills Forms, and the In-house Structural Analysis list. The 60 ECL list of structural items was also used to further validate the in-house inventory of lexical and structural items. The actual lexical items in 16P are listed task by task. All of this information was then used to determine the Job Language Performance Requirements for 16P.

## SECTION III

### CLUSTERING OF COMMON AND DUTY POSITION TASKS

#### INTRODUCTION

To treat each individual task would be time consuming therefore the tasks were clustered.

The following section contains a discussion of the clustering process.

3-1-16P

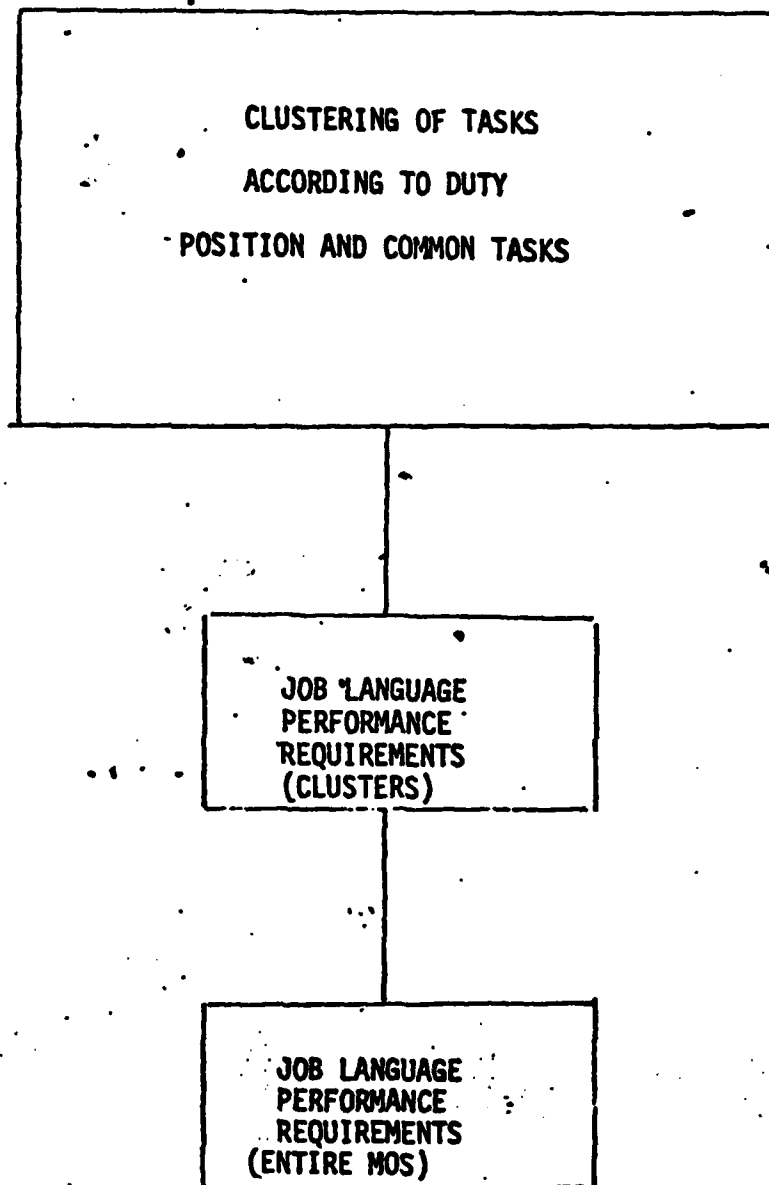


FIGURE 4

3-2-16P

### SECTION III: CLUSTERING COMMON AND DUTY POSITION TASKS

The Soldier's Manual for 16P (Skill Levels 1 and 2) contains 73 tasks. The necessity to keep the flow of teaching and flexibility of teaching one before or after another warranted clustering of the tasks.

Clustering was done by using the common and duty position tasks in the 16P Soldier's Manual.

The following clusters are in MOS 16P:

1. First Aid
2. NBC
3. Individual Fitness
4. Security and Intelligence
5. Camouflage
6. Field Communications
7. M16A1 Rifle
8. LAW
9. Hand Grenades
10. Claymore Mine
11. .50 Caliber HBM2 Machinegun
12. Vehicle Maintenance
13. Map Reading
14. Leadership
15. Critical Tasks

\* Redeye tasks (Skill levels 1 and 2) not included

## SECTION IV

### THE JOB LANGUAGE PERFORMANCE REQUIREMENTS

#### INTRODUCTION

The goal of data gathering and organization was the Job Language Performance Requirements. The following section discusses the format for the Job Language Performance Requirements.

## SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:  
CONDITION:  
STANDARD:

### A. TASK

The Job Language Performance Requirements are tasks specifying what the soldier must do in the area of language. A task addressing language would be one of reading, listening, speaking or writing. The soldier needs the language task to learn or perform the MOS task. Tasks for 16P as seen in the Soldier's Manual are those which pertain to 16P, ADA Short Range Missile Crewman. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write.

#### SPEAKING

Produces oral utterances to report/inform/explain/interact/elicit response/respond.

Analysis of 16P indicates verbal reports entailing those activities directly related to MOS 16P, ADA Short Range Missile Crewman.

The speaking act to respond or elicit response is in an oral response to a command or visual signal involving duties of an ADA Short Range Missile Crewman

Speaking to elicit response in reference to 16P involves operating field telephones, performing sentry duties, responding to supervision, etc.

Speaking to explain involves situations of reporting conditions, transmitting messages, responding to training

Speaking to inform involves transmitting messages over a tactical radio, verbalizing warnings, commands, etc.

#### READING

Read for information/Read to learn.

Printed and written materials are used throughout 16P. The soldier reads technical manuals, field manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in simple factual words or sentences to complex passages containing highly technical vocabulary and ellipsis. The purpose is to teach the student, so, the student reads them to learn. From the analysis of 16P the task of reading supplements the lectures and demonstrations or it precedes the tests. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to long or short term memory and for immediate or later recognition.

Basically the soldier will use these reading materials to supplement what is stated in lecture by integrating the information from the different texts or written communiques.

Reading materials such as this requires the ability to acquire meaning from the word (we can assume he can already decode in the MOS). The soldier must develop the ability to understand the words in context. Then the soldier must read in thought units, and finally select and understand the main ideas. The soldier must retain, apply and integrate these ideas with past experience to use in the present.

Reading to learn then is the aforementioned synthesis or formulation. Retaining what is read in long term memory for integration in experiences.

Reading for information does not involve such a thought synthesis. The read material is retained in short term memory and processed as necessary clarification of what had been read in the process of learning. The soldier needs the data at present so it is accessed from a storage device for immediate use and then returned. In reading to learn, the accessing of the information is immediate but the returning of the information does not happen. The information is kept for further processing. (IT is similar to a real time computer)

## LISTENING

### Listen to oral information to learn or report.

Analysis of 16P indicated lecture as a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. In the presentation of the lecture, analysis indicated many variables. The soldier hears sub-standard usages, various registers, colloquialisms, or profanity in a situation ranging from a barracks to a field. The soldier must differentiate between the types of language operations. Is it expression, exchange, description, explanation, argumentation, persuasion, designation, statement, request or order? The oral information may be directly from the speaker, over a telephone, radio, TV, or tape. The soldier must formulate all to learn. The soldier must organize and gain meaning from what is heard. The soldier must identify or infer the main ideas or major points.

Spontaneous oral information, that other than controlled speech, involves more inferences, more integration and more reasoning. The soldier must deduce actions, attitudes and opinions and finally the meaning of what is being conveyed.

Because the types of listening are so vast and the presentations of oral language are so varied, exactly how a non-native student has to listen cannot be specified. You can test listening comprehension but not the actual listening required. Usually a bilingual person will think in his or her language. This supposes that some bilingual persons may translate the heard language into their language to understand and learn.

The soldier first need the ability to comprehend the spoken word. We can assume that the soldier can do this because he is in MOS training.

As in reading, the soldier must understand the words in context. The soldier must understand the thought units and finally select and understand the main idea. The soldier must retain these ideas and integrate them.

Unlike reading, listening to learn is not as structured and the soldier is required to sift through much more irrelevant stimuli to finally extract the pertinent data.

Listening can be broken into two main types in 16P. In listening to learn, information is presented spontaneously or constrained. In listening to respond, information is usually presented spontaneously.

Analysis of 16P did not and could not specify all types of spontaneous language the soldier would be exposed to. The POI though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

Listening to learn as indicated refers to specific data related to the MOS. Listening in this case being critical listening. The soldier must isolate, conceptualize, and retain that oral communication that is pertinent to successful task completion.

#### B. CONDITONS

The condition is what the soldier will be given to do the task. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organization of the data from interviews and observations. To say that the soldier will be given these structures and only these structures is impossible. Language use is spontaneous and the MOS environment is not one of constrained language. For the MOS job, the soldier is given paper, pencil, and printed materials, but not for language. Again, for the job that the soldier will be given, the material under normal working conditions or other conditions may be added such as with or without protective gear or in darkness, but this cannot be specified in the field of language so we must assume all teaching conditions as found in Appendix 4.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands but these cannot exactly in each task. Therefore these are listed with the Job Language Performance Requirements as possible conditions unless they are specified.

#### C. STANDARDS

The standard for our purpose is 100%. The 100% standard for understanding or speaking cannot be tested as can one saying the soldier will disassemble a .45 caliber pistol in 8 minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

**CONCLUSION:**

The Job Language Performance Requirements were first written for each cluster. They are then indicative of defined topic areas within the MOS. They indicate necessary language tasks within the soldier's working area.

The Job Language Performance Requirements for the clusters were then combined into the Job Language Performance Requirements for the entire MOS.

Mastery of these Job Language Performance Requirements will remove language as a deterrent both in the performance of a soldier's duties in 16P and also in the pursuance of a successful career in the United States Army.

## SECTION V

### JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

#### INTRODUCTION

Specific Job Language Performance Requirements were identified in the process described in Sections I, II, III, and IV.

The following section contains the Job Language Performance Requirements for each cluster. To facilitate cross-referencing the task clusters, and percentage of language skills, follow the Job Language Performance Requirements for each cluster.

## FIRST AID

### I. PERCENTAGE LANGUAGE SKILLS

Listening 71 %  
Speaking 60 %  
Reading 43 %  
Writing 39 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

**TASK:** Read to learn  
**CONDITIONS:** Given printed MOS training materials, procedures, pictures with captions and references  
**STANDARDS:** 100% understanding of printed content

**TASK:** Listen to learn  
**CONDITIONS:** Given a medical scenario involving simple questions about an illness in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)  
**STANDARDS:** 100% understanding of oral utterances

**TASK:** Produce appropriate oral responses spontaneously or upon request  
**CONDITIONS:** Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)  
**STANDARDS:** 100% understandable oral responses

**TASK:** Write to record  
**CONDITIONS:** Given any requirement to produce a written report  
**STANDARDS:** 100% legible written content

### III. TASK NUMBER AND TITLE

441-16P-1001 Apply the four life-saving steps (open the airway and restore the breathing and heartbeat, stop the bleeding, control for shock, and protect the wound)  
441-16P-1002 Apply first-aid measures for burns  
441-16P-1003 Remove a victim from a electrical source and apply first-aid for electrical shock  
441-16P-1004 Apply artificial resuscitation to a chemical-agent casualty  
441-16P-1005 Apply preventive and first-aid measures for carbon monoxide poisoning  
441-16P-1006 Practice proper personal hygiene procedures  
441-16P-1007 Apply preventive measures to reduce climatic injuries

## NUCLEAR, BIOLOGICAL AND CHEMICAL DEFENSE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	86 %
Speaking	70 %
Reading	48 %
Writing	43 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials, procedures, pictures with captions, directions and references
STANDARDS:	100% understanding of printed content
TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any NBC training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), and with standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication

### III. TASK NUMBER AND TITLE

441-16P-1008	Perform masking and unmasking procedures
441-16P-1009	Maintain protective mask and accessories
441-16P-1010	Recognize NBC hazards and markers for contaminated areas
441-16P-1011	Operate in and cross an NBC contaminated area
441-16P-1012	Decontaminate self and individual equipment

## INDIVIDUAL FITNESS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	68 %
Speaking	40 %
Reading	20 %
Writing	20 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read for information
CONDITIONS:	Given printed MOS training materials, standards, directions and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to log in score results an individual scoresheet
STANDARDS:	100% legible written content
TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication

### III. TASK NUMBER AND TITLE

441-16P-1014	Maintain individual physical fitness appropriate to unit mission
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## SECURITY AND INTELLIGENCE

### **I. PERCENTAGE LANGUAGE SKILLS**

Listening	61 %
Speaking	50 %
Reading	30 %
Writing	34 %

### **II. JOB LANGUAGE PERFORMANCE REQUIREMENTS**

<b>TASK:</b>	Produce appropriate oral responses spontaneously or upon request
<b>CONDITIONS:</b>	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), and with standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral responses
<b>TASK:</b>	Read to learn
<b>CONDITIONS:</b>	Given printed MOS training materials, procedures, directions, standards and references
<b>STANDARDS:</b>	100% understanding of printed content
<b>TASK:</b>	Produce oral utterances to inform
<b>CONDITIONS:</b>	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral communication
<b>TASK:</b>	Listen to orally interact
<b>CONDITIONS:</b>	Given oral challenges, passwords, and scenarios in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understanding of oral communication

### **III. TASK NUMBER AND TITLE**

441-16P-1015	Perform the duties of a sentry
441-16P-1016	Resist enemy interrogation, indoctrination, and exploitation if you are captured
441-16P-1017	Report information of possible intelligence value
441-16P-1018	Apply Geneva Conventions rules for handling prisoners of war (PW)
441-16P-1019	Safeguard classified information
441-16P-1020	Engage hostile aircraft with individual weapon

## CAMOUFLAGE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	64 %
Speaking	34 %
Reading	15 %
Writing	22 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials, pictures with captions, procedures, directions and references
STANDARDS:	100% understanding of printed content
TASK:	Listen to learn
CONDITIONS:	Given oral instructions in training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication

### III. TASK NUMBER AND TITLE

441-16P-1021	Practice noise, light, and litter discipline
441-16P-1024	Camouflage/conceal self
441-16P-1025	Select hasty individual temporary battlefield positions that provide cover and concealment
441-16P-1026	Construct and camouflage an individual defensive position
441-16P-1027	Conceal movement by using weather and light conditions

## FIELD COMMUNICATIONS

### I. PERCENTAGE LANGUAGE SKILLS

Listening	57 %
Speaking	43 %
Reading	22 %
Writing	25 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

<b>TASK:</b>	Read to learn
<b>CONDITIONS:</b>	Given printed MOS training material in the form of instructions, pictures with explanations, simple messages using prowords and references
<b>STANDARDS:</b>	100% understanding of printed content
<b>TASK:</b>	Produce oral utterances over radiotelephone
<b>CONDITIONS:</b>	Given the requirement to orally communicate using the phonetic alphabet in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral communication
<b>TASK:</b>	Listen to perform
<b>CONDITIONS:</b>	Given oral instructions and a brief oral message including prowords in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understanding of oral content
<b>TASK:</b>	Read for information
<b>CONDITIONS:</b>	Given printed MOS training material, a CEOI, authentication tables and operation rules
<b>STANDARDS:</b>	100% understanding of printed material

### III. TASK NUMBER AND TITLE

441-16P-1022	Install, operate, and maintain field telephones TA-1/PT and TA-312/PT
441-16P-1023	Communicate using proper radio/telephone procedures
441-16P-2006	Use correct radio/telephone procedures

## M16A1 RIFLE

### I. PERCENTAGE LANGUAGE SKILLS

Listening	76 %
Speaking	38 %
Reading	23 %
Writing	23 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any teaching situation (Appendix 4), using standard and non-standard lexical structural items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication

### III. TASK NUMBER AND TITLE

441-16P-1028	Perform preventive maintenance on M16A1 rifle, magazine, and ammunition
441-16P-1029	Load, reduce a stoppage in, unload, and clear an M16A1 rifle
441-16P-1030	Zero an M16A1 rifle
441-16P-1031	Qualify with an M16A1 rifle

LAW

I. PERCENTAGE LANGUAGE SKILLS

Listening	70 %
Speaking	40 %
Reading	23 %
Writing	25 %

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Read to learn  
CONDITIONS: Given printed MOS training material in the form of procedures, descriptions, tables, SOP'S, and references  
STANDARDS: 100% understanding of printed content

TASK: Listen to learn  
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)  
STANDARDS: 100% understanding of oral communication

III. TASK NUMBER AND TITLE

441-16P-1032	Prepare M72A2 LAW for firing/restore M72A2 to carrying configuration
441-16P-1033	Engage targets on a firing range with an M72A2 LAW

## HAND GRENADES

### I. PERCENTAGE LANGUAGE SKILLS

Listening	0 %
Speaking	0 %
Reading	0 %
Writing	0 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read to learn
CONDITIONS:	Given printed MOS materials in the form of pictures with captions, procedures, explanations, and references
STANDARDS:	100% understanding of printed content

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication

### III. TASK NUMBER AND TITLE

441-16P-1034 Engage targets with hand grenades

## CLAYMORE MINE

### **I. PERCENTAGE LANGUAGE SKILLS**

Listening	80 %
Speaking	50 %
Reading	66 %
Writing	25 %

### **II. JOB LANGUAGE PERFORMANCE REQUIREMENTS**

**TASK:** Listen to learn  
**CONDITIONS:** Given oral instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)  
**STANDARDS:** 100% understanding of oral communication

**TASK:** Read for information  
**CONDITIONS:** Given printed MOS training material in the form of procedures, directions, pictures with captions and references  
**STANDARDS:** 100% understanding of printed content

**TASK:** Read to learn  
**CONDITIONS:** Given printed MOS training materials in the forms of instructions, directions, warnings and references  
**STANDARDS:** 100% understanding of printed content

### **III. TASK NUMBER AND TITLE**

441-16P-1035 Install/recover an electrically armed claymore mine

.50 CALIBER HBM2 MACHINEGUN

I. PERCENTAGE LANGUAGE SKILLS

Listening	0 %
Speaking	0 %
Reading	0 %
Writing	0 %

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% legible written content
TASK:	Read to learn
CONDITIONS:	Given MOS printed training materials, in the form of directions, procedures and references
STANDARDS:	100% understanding of printed content

III. TASK NUMBER AND TITLE

441-16P-1041 Maintain and operate a .50 caliber HBM2 machinegun

## VEHICLE MAINTENANCE

### I. PERCENTAGE LANGUAGE SKILLS

Listening 76 %  
Speaking 50 %  
Reading 53 %  
Writing 45 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

**TASK:** Write to record  
**CONDITIONS:** Given a requirement to complete DA Forms 2404 and 2408-1, and log book  
**STANDARDS:** 100% legible written communication

**TASK:** Read for information  
**CONDITIONS:** Given printed MOS training materials in the form of lubrication order (LO), procedures, directions, references and manuals  
**STANDARDS:** 100% understanding of printed content

**TASK:** Listen to learn  
**CONDITIONS:** Given oral instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)  
**STANDARDS:** 100% understanding of oral communication

**TASK:** Produce appropriate oral responses spontaneously or upon request  
**CONDITIONS:** Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)  
**STANDARDS:** 100% understanding of oral responses

### III. TASK NUMBER AND TITLE

441-16P-1036 Perform operator maintenance on assigned section vehicle

## MAP READING

### I. PERCENTAGE LANGUAGE SKILLS

Listening	13 %
Speaking	5 %
Reading	8 %
Writing	9 %

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials, procedures, directions, maps, graphs, and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to record any grid azimuth
STANDARDS:	100% legible written content
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses

### III. TASK NUMBER AND TITLE

441-16P-1013	Navigate from one point on the ground to another with the aid of a strip map
441-16P-2001	Determine an azimuth
441-16P-2002	Locate a point on a map
441-16P-2003	Navigate using a compass
441-16P-2004	Navigate using a map
441-16P-2005	Measure ground distance

## LEADERSHIP

### I. PERCENTAGE LANGUAGE SKILLS

Listening	30	%
Speaking	0	%
Reading	0	%
Writing	12	%

### II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in the form of a lecture in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions, in any training situation (Appendix 4), and with standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral communication
TASK:	Write to record
CONDITIONS:	Given a requirement to make a written report
STANDARDS:	100% legible written content
TASK:	Read to learn
CONDITIONS:	Given printed MOS training material in the form of procedures, directions and references
STANDARDS:	100% understanding of printed content

### III. TASK NUMBER AND TITLE

441-16P-2007	Perform duties as commander of the relief
441-16P-2008	Conduct squad/section level training

## CRITICAL TASKS

### **I. PERCENTAGE LANGUAGE SKILLS**

Listening	39 %
Speaking	31 %
Reading	43 %
Writing	40 %

### **II. JOB LANGUAGE PERFORMANCE REQUIREMENTS**

<b>TASK:</b>	Listen to learn
<b>CONDITIONS:</b>	Given oral instructions in the form of a lecture in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understanding of oral communication
<b>TASK:</b>	Produce oral utterances over radiotelephone
<b>CONDITIONS:</b>	Given the requirement to orally communicate using the phonetic alphabet in any training situation (Appendix 4), using standard and non-standard lexical and structural items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral utterances
<b>TASK:</b>	Produce appropriate oral responses spontaneously or upon request
<b>CONDITIONS:</b>	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), and with standard and non-standard structural and lexical items (Appendices 5 & 6)
<b>STANDARDS:</b>	100% understandable oral responses
<b>TASK:</b>	Read for information
<b>CONDITIONS:</b>	Given printed MOS training material in the form of procedures, manuals, and explanations
<b>STANDARDS:</b>	100% understanding of printed content
<b>TASK:</b>	Write to record
<b>CONDITIONS:</b>	Given a requirement to complete a range card
<b>STANDARDS:</b>	100% legible written communication
<b>TASK:</b>	Write to record
<b>CONDITIONS:</b>	Given a requirement to complete DA Form 2404
<b>STANDARDS:</b>	100% legibility of written communication

III. TASK NUMBER AND TITLE

441-16P-1037 Emplace, operate, and march order the target alert data display set (TADDS)  
441-16P-1038 Perform operator checks and adjustments on the target alert data display set, to include PM and corrective maintenance if required  
441-16P-1039 Perform preventive maintenance on generator set, 1.5kw, dc, 28v  
441-16P-1040 Visually recognize aircraft  
441-16P-1042 Energize and deenergize the Chaparral launch station (M54)  
441-16P-1043 Operate the Chaparral launch station under unusual conditions  
441-16P-1044 Perform PM checks and services on Chaparral carrier  
441-16P-1045 Perform troubleshooting procedures on Chaparral carrier  
441-16P-1046 Operate the Chaparral carrier under unusual conditions  
441-16P-1047 Install and perform operational checks on Chaparral guided missile system (M48) auxilliary equipment  
441-16P-1048 Perform Chaparral missile misfire/hangfire procedures  
441-16P-1049 Perform Chaparral squad drill  
441-16P-1050 Perform target engagement procedures  
441-16P-1051 Load and unload the Chaparral missile  
441-16P-1052 Install/remove/store the Chaparral swim kit  
441-16P-1053 Occupy and improve a Chaparral firing position  
441-16P-1054 Perform observer procedures  
441-16P-1055 Perform water-crossing operations  
441-16P-2009 Perform preventive maintenance checks and services on the Chaparral launch station (M54)  
441-16P-2010 Prepare Chaparral launch station for helicopter travel

SECTION VI

JOB LANGUAGE PERFORMANCE  
REQUIREMENTS (JLPR s)  
(Entire MOS)

INTRODUCTION

The product of the entire  
data gathering and  
organization is the JLPR s.  
These are relevant to all  
common and duty tasks in 16P.

There are two tasks per generic  
skill and listed below each task  
are the types of receptive or  
productive behavior involved.

## LISTENING

**TASK:** Understand oral language intended to inform or instruct.

**CONDITIONS:** Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax (Appendix 4), formal or informal registers, casual or colloquial speech, military jargon, slang or dialectal speech in any training situation. (Appendices 5 & 6)

**STANDARDS:** 100% understanding and assimilation of presented oral language task.

\* The following are specific conditions found in this language task:

\* Warnings

Described situations

Directions

Lectures

Scenarios

Commands, Orders

Sound tracks (films, tapes)

Standard/Non-standard English

Instructions

SQT questions

**TASK:** Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit response.

**CONDITIONS:** Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectal speech in any training situation. (Appendices 4, 5, & 6)

**STANDARDS:** 100% understanding and assimilation of oral language in order to apply and respond.

\* The following are specific conditions found in this language task:

\* Shouting

Radio communications

Messages

Coded messages

Clear text

Spellings

Conversation

Requests

## SPEAKING

**TASK:** Formulate and produce appropriate oral responses spontaneously or upon request.

**CONDITIONS:** Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.  
(Appendices 5 & 6)

**STANDARDS:** 100% understandable oral response using correct lexicon, syntax, registers and styles for the training situation.

\* The following are specific conditions found in the language task:

- \* Explanations
- Statements
- Repetitions
- Counting
- Corrections
- Assignments
- Notifications
- Oral reports
- Answers
- Clarifications
- Information

**TASK:** Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.

**CONDITIONS:** Given a communicative situation (Appendices 4, 5, & 6, 16P)  
(Soldier's Manual) in any training situation.

**STANDARDS:** 100% understandable communication using correct lexicon, syntax, registers, and styles for the communication act.

\* The following are specific conditions found in this language task:

- \* Requesting information
- Requesting permission
- Transmitting messages
- Call signs
- Vocal signals
- Shout warnings
- Radio communications
- Messages
- Phonetic messages
- Target locations
- Directions (N,S,E,W)
- Directions, general
- Requests for fire
- Report on the results of fire
- Challenges/Passwords
- Training sessions
- Interaction

## READING

- TASK:** Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.
- CONDITIONS:** Given technical, non-technical, lexical and structural features, (Appendix 4) in simple to complex printed form in any training situation. (Appendix 5 & 6)
- STANDARDS:** 100% understanding of printed content.

\*The following are specific conditions found in this language task:

\*Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

- TASK:** Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.
- CONDITIONS:** Given technical, non-technical, lexical and structural features (Appendices 5 & 6) in simple to complex written form in any training situation. (Appendix 4)
- STANDARDS:** 100% understanding of written content.

\*The following are specific conditions found in this language task:

\*Lists

- Information
- Descriptions
- Radiation readings off dosimeter
- Coordinate scales
- Callsigns-suffixes
- Three-letter codes
- Examples
- Calculations
- Markings
- Radio communications
- Range cards
- Notes
- Messages

## WRITING

**TASK:** Upon instruction, write in conventional orthography, letters numbers, words or sentences appropriate to the training situation.

**CONDITIONS:** Given standardized forms, paper or answer sheets and the instructions to list, answer, describe or recall.

**STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situation. (Appendix 4)

\*The following are specific conditions found in this language task:

\*Ratings

- Signatures
- Range cards
- Data symbols
- Answers
- Descriptions
- Notes
- Reports

**TASK:** Write in conventional orthography letters, or specialized code, numbers, words or sentences in order to transmit or record information.

**CONDITIONS:** Given standardized forms or paper and oral communication.

**STANDARDS:** 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

\*The following are specific conditions found in this language task:

\*Technical forms

- Codes
- Grid coordinates
- Decoded messages
- Encoded messages
- Logbooks
- Plottings
- Figures
- Reports
- Tags
- Range cards

## APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentages Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (In-house)
7. Vocabulary (Machine-generated)
8. 60 ECL Structures

## APPENDIX 1

### TASK PRIORITIZATION CHECKLIST

This Checklist was approved for use by TRADOC in 1980. Through the course of analysis, it was found that not all variables were immediately useful. Those variables not used in this document may be used later in the course design. Variables not used were:

Danger to person/equipment  
Is it taught?  
Is it tested?  
Is it difficult?  
Is it important?

They were not useful because they did not address difficulties as involved with a native v/s a non-native - the responses to these variables address the entire population, native speakers and non-natives.

CURRENT MOS: \_\_\_\_\_  
 PRESENTLY WORKING IN: \_\_\_\_\_  
 IN WHICH YOU WERE TRAINED: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_

RATING: 1-low  
 2-med  
 3-high

YES  
 NO  
 IS TASK TAUGHT?

LISTENING\*  
 SPEAKING\*  
 READING\*  
 WRITING\*  
 IMPORTANCE OF:

LECTURE  
 SELF-PACED  
 DEMONSTRATION  
 HANDS-ON  
 HOW TAUGHT

YES  
 NO  
 IS TASK TESTED?

WRITTEN  
 ORAL  
 PERFORMANCE  
 HOW TESTED?

PERSON  
 67  
 EQUIP  
 PERFORM RESULTS  
 DANCER

**APPENDIX 2**

**TASK INVENTORY COMPILED DATA FORM**

**This form was used to record data from  
the Task Prioritization Checklist.**

**A2-1-16P**

48

MOG: 16P NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST \_\_\_\_\_

UNIT	TECHNIQUE	TEACHING	DIFFICULTY	IMPORTANCE	DATA	UNIT	TECHNIQUE	TEACHING	DIFFICULTY	IMPORTANCE	DATA
1	writing	self-paced	difficult?	5	soldiers	1	writing	self-paced	difficult?	5	soldiers
2	reading	hands-on	tested?	5	P.O.I.	2	reading	hands-on	tested?	5	P.O.I.
3	speaking	demonstration	to unit	5	MILPERGEN	3	speaking	demonstration	to unit	5	MILPERGEN
4	listening	lecture		5	Regs.	4	listening	lecture		5	Regs.
5						5					
6						6					
7						7					
8						8					
9						9					
10						10					
11						11					
12						12					
13						13					
14						14					
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49						49					
50						50					

49

NCS: 121 NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST: \_\_\_\_\_

UNITED STATES ARMY DATA	Writing	Reading	Speaking	Listening	Written	Oral	Performance	Self-paced	Hands-on	Demonstration	Lecture	Exposure to person or equipment	Importance	Difficult?	tested?	taught?
1008	110	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1009	112	110	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1010	110	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1012	110	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1013	112	110	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1014	111	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331

NCS: 16P-F131155 NUMBER OF RESPONSES: \_\_\_\_\_  
 DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST: \_\_\_\_\_

Soldiers P.O.I. MILPERGEN Regs:	Writing	Reading	Speaking	Listening	Written	Oral	Performance	Self-paced	Hands-on	Demonstration	Lecture	Exposure to person or equipment	Importance	Difficult?	tested?	taught?
1008	110	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1009	112	110	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1010	110	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1012	110	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1013	112	110	33	331	33	331	331	331	331	331	331	331	331	331	331	331
1014	111	112	33	331	33	331	331	331	331	331	331	331	331	331	331	331

5

POS: 16P

NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_

TRAINING SPECIALIST: \_\_\_\_\_

COMPILED DATA	Writing	Reading	Speaking	Listening	Written oral performance	self-paced	hands-on demonstration	lecture	danger to person or equipment	importance	difficult?	tested?	taught
AT: .25	2	3	3	1	V	V	V	V	.5	.5	V	V	V
AT: 2.7	2	3	3	1	V	V	V	V	.5	.5	V	V	V
AT: 1.7	2	3	3	1	V	V	V	V	.5	.5	V	V	V
AT: 2.2	2	3	3	1	V	V	V	V	.5	.5	V	V	V
AT: 1.25	2	3	3	1	V	V	V	V	.5	.5	V	V	V
AT: .25	2	3	3	1	V	V	V	V	.5	.5	V	V	V
AT: 2.7	2	3	3	1	V	V	V	V	.5	.5	V	V	V

POS: 16P-FT 31.5

NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_

TRAINING SPECIALIST: \_\_\_\_\_

	soldiers P.O.I. MILPERCEN Regs:	writing reading speaking listening	written oral performance	self-paced hands-on demonstration lecture	importance	difficult? tested? taught?
1015		—	—	—	.5	002 0
1016		3321	✓	✓	.5	10— 112
1017		3321	✓	✓	.5	10— 11—
1018		3321	✓	✓	.5	112 10—
1019		3321	✓	✓	.5	10— 11—
1020		3321	✓	✓	.5	00— 110
1021		3331	✓	✓	.5	910— 112

51

MOS: <u>16P</u>		NUMBER OF RESPONSES: _____				
DATA OBTAINED FROM: _____		TRAINING SPECIALIST: _____				
UNIT	difficult? tested? taught	IMPORTANCE person to equipment	TEACHING OF TESTING	OF TESTING	writing reading speaking listening	AIF/UNIT
1022	112 110 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	3321 3211 3111	AT: 4.7
1023	110 112 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	1111 3321 3320	AT: 4.7
1024	112 110 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	3321 3311 3311	AT: 2.7
1025	112 110 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	3321 3311 3311	AT: 3.2
1026	112 110 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	3321 3311 3311	AT: 2.25
1027	112 110 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	3321 3311 3311	AT: 2.25
1028	112 110 5	5	✓✓ ✓✓ ✓✓	✓✓ ✓✓ ✓✓	3321 3311 3311	AT: 4.7

5

MOS: 16P NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST \_\_\_\_\_

UNIT	UNIT	CRITICAL IMPORTANCE	TEACHING METHODS	TESTING METHODS	ELLS	DATA	DATA OBTAINED FROM:	MOS: <u>16P-FI BISS</u>	NUMBER OF RESPONSES:	TRAINING SPECIALIST:	ALT/UNIT
	difficult? tested? taught?		danger to person or equipment	lecture demonstration hands-on self-paced	written oral performance	writing reading speaking listening	compiled DATA				
1029	11- 112 112	- -5 -5	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	3321 3321 22--	AT: 3.25				AT: 3.25
1030	10- 112 112	- -5 -5	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	3321 3321 22--	AT: 2.7				AT: 2.7
1031	112 110	-5 -5	✓ ✓	✓ ✓	✓ ✓	3211 3311	AT: 4.7				AT: 4.7
1032	0 112	- -5	✓ ✓	✓ ✓	✓ ✓	3211 3321	AT: 4.25				AT: 4.25
1033	0 112	- -5	✓ ✓	✓ ✓	✓ ✓	3112 3331	AT: 2.25				AT: 2.25
1034	0 0	- -	✓ ✓	✓ ✓	✓ ✓	22--	AT: 0				AT: 0
1035	0 0	- -	✓ ✓	✓ ✓	✓ ✓	2321	AT: 0				AT: 0

5

53

164

NUMBER OF RESPONSES:

DATA OBTAINED FROM:

**TRAINING SPECIALIST**

SOLDIER'S NAME	GRADE	COMPONENT	IMPORTANCE	PERCENTAGE	LECTURE	DEMONSTRATION	HANDS-ON	SELF-PACED	WRITTEN PERFORMANCE	READING	WRITING	LISTENING	SPEAKING	TOTAL	AVERAGE	REMARKS
1036	112	5	—	—	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	112	5	1036
1037	110	5	—	—	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	110	5	1037
1038	0	—	—	—	—	—	—	—	—	—	—	—	—	0	—	1038
1039	0	—	—	—	—	—	—	—	—	—	—	—	—	0	—	1039
1040	112	5	—	—	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	112	5	1040
1041	110	5	—	—	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	110	5	1041
1042	0	—	—	—	—	—	—	—	—	—	—	—	—	0	—	1042
1043	0	—	—	—	—	—	—	—	—	—	—	—	—	0	—	1043
1044	112	5	—	—	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	112	5	1044

MOS: 16P NUM: \_\_\_\_\_ SES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST \_\_\_\_\_

UNIT	difficult? tested?	importance	person or equipment	lecture demonstration hands-on self-paced	written oral performance	writing reading speaking listening	COMPILED DATA	ALL/DATE
7.	112	5	5	✓	✓	5553	AT 10.6	
	112	5	5	✓	✓	44		
	112	5	5	✓	✓	111		
	112	5	5	✓	✓	111		
	112	5	5	✓	✓	1313		
	112	5	5	✓	✓	11		
	11	5	5	✓	✓	1-21		
	1043	0	—	—	—	—	AT 7.5	
	112	5	5	✓	✓	3321		
	112	5	5	✓	✓	11		
1044	112	5	5	✓	✓	1323	AT 8	
	112	5	5	✓	✓	22		
	112	5	5	✓	✓	5552		
	112	5	5	✓	✓	1111		
	112	5	5	✓	✓	11		
	112	5	5	✓	✓	1323		
	11	5	5	✓	✓	111		
	11	5	5	✓	✓	111		
	11	5	5	✓	✓	111		
	11	5	5	✓	✓	111		

MOS: \_\_\_\_\_ MEMBER OF RESPONSES: \_\_\_\_\_  
 DATA OBTAINED FROM: \_\_\_\_\_ IST: \_\_\_\_\_ TRAINING SPECIALIST: \_\_\_\_\_

55

MOS: 16P

NUMBER OF RESPONSES: \_\_\_\_\_

**DATA OBTAINED FROM:** \_\_\_\_\_

**TRAINING SPECIALIST** \_\_\_\_\_

UNIT	TECHNIQUES	COMPILED DATA	ATT/UNIT
	writing reading speaking listening		
	written oral performance		
	self-paced hands-on demonstration lecture		
	danger to person or equipment importance		
	difficult? tested?		
		AT: 8.8	
		AT: 2.25	
		AT: 2.25	
		AT: 0	
		AT: 4.7 156	

POS: 16 PET BLISS

NUMBER OF RESPONSES: \_\_\_\_\_

**DATA OBTAINED FROM:**

**TRAINING SPECIALIST:** \_\_\_\_\_

[illegible]

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155

六

1047

8401

6701

56

NUMBER OF RESPONSES:

DATA OBTAINED FROM:

## TRAINING SPECIALIST

UNIT	CHARACTER OF TEST	TECHNIQUES USED	COMPILED DATA	UNIT/UNIT
	Writing Reading Speaking Listening		AT: 4.7	
	Written Oral Performance		AT: 4.7	
	Self-paced Hands-on Demonstration Lecture		AT: 4.7	
	Danger to Person or Equipment Importance		AT: 2.25	
	Difficult? Tested?		AT: 4.7	
			AT: 5	
			AT: .5	57

MOS: 16P FBI/ISS

**NUMBER OF RESPONSES:**

**DATA OBTAINED FROM:**

**TRAINING SPECIALIST:**

[illegible]

9

1050

1501

1052

3

1054

5501

9511

57

DATA OBTAINED FROM: TRAINING SPECIALIST \_\_\_\_\_

UNIT	CRITICAL TEACHING POINTS	TEACHING METHODS	TESTING METHODS	COMPILED DATA
1	difficult? tested?			AT: 1
2				AT: 1
3				AT: 0
4				AT: .5
5				AT: 0
6				AT: .25
7				AT: 0. 58

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST: \_\_\_\_\_

[illegible]

07

1057

1058

1059

1260

1991

## SKILL LEVEL: #2

2001

2002

58

MOS: 16P NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST: \_\_\_\_\_

SCHEMEL DATA	AT:0	AT:0.5	AT:0.25	AT:0	AT:0	AT:0.25	AT:0.5
Writing							
Reading							
Speaking							
Listening							
Written							
Oral							
Performance							
Self-paced							
Hands-on							
Demonstration							
Lecture							
Exposure to							
Person or							
Equipment							
Importance							
Difficult?							
Tested?							

MOS: 16P ET Bliss

NUMBER OF RESPONSES: \_\_\_\_\_

DATA OBTAINED FROM: \_\_\_\_\_ TRAINING SPECIALIST: \_\_\_\_\_

Soldiers P.O.I. MILPERGEN Regs:							
Writing							
Reading							
Speaking							
Listening							
Written							
Oral							
Performance							
Self-paced							
Hands-on							
Demonstration							
Lecture							
Exposure to							
Person/							
Equipment/							
Importance							
Difficult?							
Tested?							
Tested?							
	2003	2004	2005	2006	2007	2008	2009
	0	10	0	0	0	10	0
	0	0	0	0	0	0	10
	2003	2004	2005	2006	2007	2008	2009
	0	10	0	0	0	10	0
	0	0	0	0	0	0	10
	2003	2004	2005	2006	2007	2008	2009
	0	10	0	0	0	10	0
	0	0	0	0	0	0	10

MOS: <u>16P</u>		NUMBER OF RESPONSES: _____	
DATA OBTAINED FROM: _____		TRAINING SPECIALIST: _____	
COMPILED DATA	AT: 0	AT: 0	AT: 0
writing reading speaking listening			
written oral performance			
self-paced hands-on demonstration lecture			
danger to person or equipment importance			
difficult? tested?			
MOS: <u>16 PFT B/ISS</u>		NUMBER OF RESPONSES: _____	
DATA OBTAINED FROM: _____		TRAINING SPECIALIST: _____	
soldiers P.O.I. MILPERGEN Regs:			
writing reading speaking listening			
written oral performance			
self-paced hands-on demonstration lecture			
danger to person importance			
difficult? tested? taught?	0- 0- 0-	0- 0- 0-	0- 0- 0-
12	3010	3011	3012
			60

### APPENDIX 3

#### PERCENTAGE LANGUAGE SKILLS

This appendix contains computations made to arrive at the Percentages of listening, speaking, reading and writing involved in each cluster.

\*some clusters have two sets of computations; this is because some Task Prioritization Forms were received after original computations and had to be added on.

**PERCENTAGE LANGUAGE SKILLS  
NOS**

# OF TASKS IN CLUSTER X 5  
variables x's # of totals  
respondents per cluster =  
total %

FORMULA	LISTENING	SPEAKING	READING	WRITING
	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
First Aid	$7 \times 5 \times 5 = 175$ $\begin{array}{r} 18 \\ 28 \\ 24 \\ 28 \\ 27 \\ \hline 175 \end{array}$	$7 \times 2 \times 5 = 70$ $\begin{array}{r} 15 \\ 27 \\ \hline 70 \end{array}$	$7 \times 3 \times 5 = 105$ $\begin{array}{r} 20 \\ 24 \\ \hline 105 \end{array}$	$7 \times 4 \times 5 = 140$ $\begin{array}{r} 28 \\ 20 \\ 5 \\ \hline 140 \end{array}$
TOTAL	71%	60%	43%	39%
PROTECT AGAINST NBC ATTACK	$5 \times 5 \times 5 = 125$ $\begin{array}{r} 22 \\ 19 \\ 19 \\ 23 \\ 25 \\ \hline 125 \end{array}$	$5 \times 2 \times 5 = 50$ $\begin{array}{r} 10 \\ 25 \\ \hline 50 \end{array}$	$5 \times 3 \times 5 = 75$ $\begin{array}{r} 2 \\ 15 \\ 19 \\ \hline 75 \end{array}$	$5 \times 4 \times 5 = 100$ $\begin{array}{r} 19 \\ 2 \\ 19 \\ 3 \\ \hline 100 \end{array}$
TOTAL	86%	70%	82%	43%
PHYSICAL FITNESS	$1 \times 5 \times 5 = 25$ $\begin{array}{r} 0 \\ 4 \\ \hline 25 \end{array}$	$1 \times 2 \times 5 = 10$ $\begin{array}{r} 0 \\ 4 \\ \hline 10 \end{array}$	$1 \times 3 \times 5 = 15$ $\begin{array}{r} 0 \\ 2 \\ \hline 15 \end{array}$	$1 \times 4 \times 5 = 20$ $\begin{array}{r} 3 \\ 0 \\ 10 \\ \hline 20 \end{array}$
TOTAL	40%	40%	20%	20%
SECURITY & INTELLIGENCE	$6 \times 5 \times 5 = 150$ $\begin{array}{r} 20 \\ 24 \\ 11 \\ 15 \\ 20 \\ \hline 150 \end{array}$	$6 \times 2 \times 5 = 60$ $\begin{array}{r} 9 \\ 21 \\ \hline 60 \end{array}$	$6 \times 3 \times 5 = 90$ $\begin{array}{r} 3 \\ 11 \\ 13 \\ 1 \\ \hline 90 \end{array}$	$6 \times 4 \times 5 = 120$ $\begin{array}{r} 24 \\ 3 \\ 11 \\ 3 \\ \hline 120 \end{array}$

PERCENTAGE LANGUAGE SKILLS  
NOS

variables x's # of totals  
respondents per cluster  
total %

FORMULA	LISTENING	SPEAKING	READING	WRITING
	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
CAMOUFLAGAGE	$5 \times 5 \times 5 = 125$ 13 16 16 16 19 $125 \overline{) 80}$	$5 \times 2 \times 5 = 50$ 0 17 $50 \overline{) 17}$	$5 \times 3 \times 5 = 75$ 1 5 $75 \overline{) 11}$	$5 \times 4 \times 5 = 100$ 16 1 5 0 $100 \overline{) 22}$
TOTAL	64%	34%	15%	27%
FIELD COMMUNICATIONS	$3 \times 5 \times 5 = 75$ 8 8 9 9 9 $75 \overline{) 43}$	$3 \times 2 \times 5 = 30$ 5 18 $30 \overline{) 13}$	$3 \times 3 \times 5 = 45$ 0 6 4 $45 \overline{) 10}$	$3 \times 4 \times 5 = 60$ 8 0 6 1 $60 \overline{) 15}$
TOTAL	57%	43%	22%	25%
M16A1 RIFLE	$4 \times 5 \times 5 = 100$ 11 13 20 15 17 $100 \overline{) 74}$	$4 \times 2 \times 5 = 40$ 2 13 $40 \overline{) 15}$	$4 \times 3 \times 5 = 60$ 0 9 $60 \overline{) 14}$	$4 \times 4 \times 5 = 80$ 13 0 5 2 $80 \overline{) 18}$
TOTAL	76%	38%	23%	18%
LAW	$2 \times 5 \times 5 = 50$ 6 6 8 7 8 $50 \overline{) 35}$	$2 \times 2 \times 5 = 20$ 1 7 $20 \overline{) 8}$	$2 \times 3 \times 5 = 30$ 0 3 4 $30 \overline{) 7}$	$2 \times 4 \times 5 = 40$ 6 0 5 1 $40 \overline{) 10}$ 63

**PERCENTAGE LANGUAGE SKILLS  
NOS**

# of tasks in cluster x's  
variables x's # of totals  
respondents per cluster =  
total %

FORMULA	LISTENING	SPEAKING	READING	WRITING
	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
HAND GRENADES	$1 \times 5 \times 5 =$ <u>0</u>	$1 \times 2 \times 5$ <u>0</u>	$1 \times 3 \times 5$ <u>0</u>	$1 \times 4 \times 5$ <u>0</u>
TOTAL	0%	0%	0%	0%
CLAYMORE	$1 \times 5 \times 1 = 5$ 1 0 1 1 5 <u>14</u>	$1 \times 2 \times 1 = 2$ 0 1 2 <u>1</u>	$1 \times 3 \times 1 = 3$ 0 1 1 3 <u>2</u>	$1 \times 4 \times 1 = 4$ 0 0 1 2 4 <u>1</u>
TOTAL	80%	50%	66%	25%
.50 CALIBER HBM2 MACHINEGUN	$1 \times 5 \times 0 = 0$ <u>0</u>	$1 \times 2 \times 0 = 0$ <u>0</u>	$1 \times 3 \times 0 = 0$ <u>0</u>	$1 \times 4 \times 0 = 0$ <u>0</u>
TOTAL	0%	0%	0%	0%
VEHICLE MAINTENANCE	$1 \times 5 \times 5 = 25$ 3 4 4 4 12 25 <u>19</u>	$1 \times 2 \times 5 = 10$ 1 4 10 <u>50</u>	$1 \times 3 \times 5 = 15$ 0 3 5 15 <u>18</u>	$1 \times 4 \times 5 = 20$ 4 0 0 2 20 <u>190</u>
				64

**PERCENTAGE LANGUAGE SKILLS  
NOS**

variables x's # of totals  
respondents per cluster  
total %

FORMULA	LISTENING	SPEAKING	READING	WRITING
	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
MAP READING	$6 \times 5 \times 5 = 150$ $\begin{array}{r} 4 \\ 6 \\ 2 \\ 3 \\ 4 \\ \hline 150 \end{array}$	$6 \times 2 \times 5 = 66$ $\begin{array}{r} 0 \\ 3 \\ \hline 66 \end{array}$	$6 \times 3 \times 5 = 90$ $\begin{array}{r} 0 \\ 9 \\ 4 \\ \hline 90 \end{array}$	$6 \times 4 \times 5 = 120$ $\begin{array}{r} 6 \\ 0 \\ 0 \\ 0 \\ \hline 120 \end{array}$
TOTAL	13%	5%	8%	9%
LEADERSHIP	$2 \times 5 \times 1 = 10$ $\begin{array}{r} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ \hline 10 \end{array}$	$2 \times 2 \times 1 = 4$ $\begin{array}{r} 0 \\ 0 \\ \hline 0 \end{array}$	$2 \times 3 \times 1 = 6$ $\begin{array}{r} 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$	$2 \times 4 \times 1 = 8$ $\begin{array}{r} 1 \\ 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$
TOTAL	30%	0%	0%	12%
CRITICAL TASKS	$20 \times 5 \times 5 = 350$ $\begin{array}{r} 26 \\ 38 \\ 38 \\ 54 \\ 41 \\ \hline 50 \end{array}$	$20 \times 2 \times 5 = 200$ $\begin{array}{r} 9 \\ 52 \\ \hline 200 \end{array}$	$20 \times 3 \times 5 = 300$ $\begin{array}{r} 35 \\ 47 \\ 46 \\ \hline 300 \end{array}$	$20 \times 4 \times 5 = 400$ $\begin{array}{r} 38 \\ 35 \\ 47 \\ 41 \\ \hline 400 \end{array}$
TOTAL	24%	5%	43%	41%

#### APPENDIX 4

This appendix contains the Observation Forms. These forms were taken to the actual training sites. Here, observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in MOS 16P.

A4-1-16P

66

DSS 107 mm MORTARPERSON RECORDING 130041NLOCATION  
(UNIT)

SUBJECT \_\_\_\_\_

\* TASK NUMBER IF KNOWN \_\_\_\_\_

Physical Environment of Instruction

- A. Classroom ✓  
 B. Open Areas (live firefield- mark-up terrain) field  
 C. Large enclosed area (bleacher sites)  
 (Warehouse size)  
 D. Other  
 Comments:

Styles of Communication Instructor, Ver

- A. Formal Speech ✓  
 B. Informal Speech ✓  
 C. Regional/Ethnic  
 D. Body Language  
 E. Profanity  
 F. Shop talk/slang  
 G. Non-standard English  
 I. Other  
 Comments:

Media of Instruction

- A. Films  
 B. Video cassettes  
 C. Graphic Training Aids (diagrams, etc....)  
 D. Illustrations (requiring reading/not requiring reading)  
 E. Maps ✓  
 F. Mock-ups ✓  
 G. Models/Animate  
 H. Real equipment ✓  
 I. Transparencies ✓  
 J. Tape cassettes  
 K. Training Publications (required/available)  
 L. Signs/Notices  
 M. P.A. System ✓  
 N. Normal Voice ✓  
 O. Soldier's Manual  
 P. Chalkboard ✓  
 Q. Other

Type Round Charge  
 fuze settings in  
 fire commands

Mode of Response

- A. ✓ Manipulating a piece of equipment  
 B. ✓ Answers (spoken - written)  
 C. Signals  
 D. ✓ Performance  
 E. Taking Notes  
 F. ✓ Teamwork Yes - essential  
 G. ✓ Other Callsigns / Radio  
 Comments:

Comments: time limits: within 90 seconds - 4 minutes - etc. (See POT for further info)  
 noise and fire commands:

noise

Deflection 2800 Refer Place Out Curving Posts

See pg 37.7m POT for verbal instructions in test situation

DA Form 2188-1-R and 2399,

Instructional Ratio

Instructor/gunner

- A. Instructor, one-to-one/class  
 B. Peer/one-to-one  
 C. Group or Committee Group (group of instructors of whom one teaches one portion)  
 - Small (12 or less)  
 - Large (more than 12)  
 D. Other  
 E. Questions  
 Comments:

4 Soldiers :: 1 mortar  
 one AI :: 4 soldiers

MOS OBSERVATION FORM

NOS 16 P

LOCATION 74. Blue TX

TASK # \_\_\_\_\_ PERSON RECORDING W. H. S. O.

SUBJECT \_\_\_\_\_

INSTRUCTION

Physical Environment

COMMENTS

- 1 1. Classroom
- 2 2. Open Areas (live fire field, make-up terrain)
- 3 3. Large enclosed area (bleacher sites, warehouse size)
- 4 4. Other (comments)

Instructional Ratio

- 1 1. Instruct or one-to-one/class
- 2 2. Peer/one-to-one
- 3 3. Group or Committee group<sup>1</sup>
- 4 4. Small (12 or less)
- 5 5. Other (comments)

MODES OF INSTRUCTION

COMMENTS

- 1 1. Films
- 2 2. Video cassettes
- 3 3. Graphic training aids (diagrams, etc.,)
- 4 4. Illustrations a) requiring reading  
b) not requiring reading
- 5 5. Maps
- 6 6. Mock-ups
- 7 7. Models/Simulated
- 8 8. Real equipment
- 9 9. Transparencies

A4-3-16P

<sup>1</sup> Group of instructors of whom one teaches one portion of the whole

bu

- ☐ 10. Tape cassettes
- ☐ 11. Training publications: a) required  
b) available
- ☐ 12. Signs/notices
- ☐ 13. P.A. System
- ☒ 14. Normal Voice
- ☒ 15. Soldier's Manual
- ☐ 16. Chalkboard
- ☐ 17. Other (comments)

MODES OF RESPONSE

## COMMENTS

- ☒ 1. Manipulate equipment
- ☒ 2. Performance
- ☒ 3. Answers (spoken-written)
- ☐ 4. Signals
- ☐ 5. Taking notes
- ☐ 6. Teamwork
- ☐ 7. Other (comments)

STYLES OF COMMUNICATION<sup>2</sup>

## COMMENTS

- ☐ 1. Formal Speech
- ☒ 2. Informal Speech
- ☒ 3. Regional/ethnic
- ☐ 4. Body language
- ☒ 5. Profanity
- ☐ 6. Shop talk/slang
- ☐ 7. Non-standard English
- ☐ 8. Other (comments)

A4-4-16P

<sup>2</sup>Instruction, verbal orders

69

1.9

**APPENDIX 5**

**STRUCTURAL/LEXICAL LIST**

This is the final list of  
structural and lexical items,  
grammatically named for  
MOS 16P .  
(For discussion, see SectionII)

## STRUCTURAL ITEMS

### SENTENCES TYPES

1. **SIMPLE:** One subject and one predicate

#### **PATTERNS:**

1. Subject and action verb (You) Stop the bleeding.
2. Subject and action verb and direct/indirect object  
Many things cause burns.
3. Subject and linking verb and subjective complement  
This is very important.

2. **COMPOUND:** Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

3. **COMPLEX:** One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs)

3. Noun (functions as a noun)

## INTERROGATIVE

(do, does, modal, wh-, tag, inverted)  
But what about the other 15 meters?  
Ask, "What is there?"

## DECLARATIVE

A casualty is found in a field location.

## EXCLAMATORY

Halt!

## IMPERATIVE

(requests, commands, second person singular/plural,  
negative/affirmative); First and second person (let's)

## ELLIPSIS:

Split the bracket until fire for effect is possible. \*most common type  
of ellipsis--subject deleted.

## FRAGMENT

Movement to occupy a position.  
All other parts.

## ADVERBIAL CLAUSES\*

### 1. PURPOSES

Training must be conducted so that at least 80% of the students can  
accomplish the task trained to the standards specified for the task.

### 2. CONTRAST

Although natural terrain features are likely not to change and make  
good reference points to orient a map, you may also use manmade  
features such as roads, bridges, etc., to orient your map.

### 3. COMPARISON

In fact, it is more likely to occur in hazy, cloudy weather  
than when the sun is shining.

### 4. RESULT

### 5. MANNER

Tilt mask upward so that facepiece is facing out.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

\* unable to find

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

\* unable to find

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

3. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

4. PARTICIPIAL

Release the pressure immediately, lifting the hands lightly.

5. INFINITIVE

Examine the casualty to determine the location, type and seriousness of all wounds.

6. PREPOSITIONAL

Control for shock.

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

## VERBS

### 1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb  
present verb (uninflected, third  
person, indicative)  
past tense (regular/irregular)  
present perfect  
future

### 2. TYPES

intransitive - When a nuclear explosion occurs and you are....  
The skin becomes inflamed.

transitive - If he asks how badly he is wounded, tell him that you  
will get him to a doctor soon.

linking - A casualty in shock may be excited, or he may be calm and  
appear very tired.

### 3. VOICE

active

recognize  
protect  
is facing  
pop. contain  
explode  
sounds  
points out  
seen

appear  
seek  
secure  
wear  
mask  
stored  
do require  
could affect

has  
must be  
wipe  
rinse  
put brush  
empty  
reassemble  
reinstall  
remove

passive

given  
is protected  
is sprayed

are alerted  
are reported  
have been corrected

are authorized  
be corrected

passive+verb+ing  
"task will be performed  
using procedures"  
modal+passive voice.  
task must be performed....  
modal+negative+passive

#### 4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the necks.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"  
"be"  
"will be given"  
"should be"  
"must"  
"must be"  
"can"  
"can be"  
"may be"  
"should not be"

#### 5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

## LEXICAL ITEMS

### ADJECTIVALS

"rifle bore cleaner"  
"waste material"  
"burning residue"  
"semi-fixed ammunition"  
"extracting/loading ammunition"  
"firing hammer"  
"four life-saving steps"  
"chest/heart massage"  
"tourniquet material"  
"field material"  
"field condition"  
"mouth-to-mouth resuscitation"

### ADJECTIVES

1. WORD + ABLE                      available
2. COMPARATIVES  
Threat main tanks are smaller than the US main battle tanks.
3. SUPERLATIVES  
The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

### PRONOUNS

1. INDEFINITE  
Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).
2. POSSESSIVE  
(nouns and apostrophe)  
Shake the soldier's shoulder and shout, "Are you OK.?"
3. SUBJECTIVE  
This will give you correct nomenclature.
4. OBJECTIVE  
It will also give you the correct functioning.
5. REFLEXIVE  
Keep yourself clear of the muzzle.

#### GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES To obtain correct sight alignment, the sights are alined as shown in figure 2.

#### ADVERBS +

##### 1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

##### 2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

##### 3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

##### 4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

##### 5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

#### VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

#### VERBS AND ADVERB

(particles)

#### \*Negatives

Prepositions

Articles

Pre-BT--not included because of Section II  
in this document

**APPENDIX 6**

**VOCABULARY (in-house)**

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

NOTE: I6D, P  
TASK: I6D, P-1001  
TASK TITLE: STOP BLEEDING

GENERAL

above  
absense  
additional  
after  
anything  
applied  
apply  
areA  
arm  
around  
arterial  
artery  
as soon as  
attached  
attempt  
available  
being  
below  
bleeding  
bone  
break  
broken  
can  
careful  
cahpter  
check  
clean  
cloth  
clothing  
continues  
cover  
cut  
dirty  
elbos  
elevation  
ends  
enough  
enters  
envelope  
exits  
facility  
farther  
feel  
field  
finger  
firmly  
first  
aid  
flexible  
flow  
folded  
for

BASIC

arterial  
artery  
bandages  
bayonet  
bind  
casualty  
contamination  
digital  
dressings  
flexible  
forehead  
frecture  
last result  
LAW  
limb  
loop  
medic  
missle  
pad  
personnel  
pulse  
rag  
scabbard  
scalp  
securing  
splinted  
pl  
spurt  
square knot  
standard  
stick  
temple  
thigh  
thumb  
tourniquet  
treatment  
unwinding  
wound

TECHNICAL

spurting

WCS: I6D, P  
TASK: CONTROL FOR SHOCK  
TASK: I6I-I6D, P-I00I

GENERAL

about  
above  
after  
apply  
around  
arrives  
back  
belt  
bent  
blouse  
bodily  
breathes  
breathing  
care  
check  
chest  
chin  
continue  
day  
electrical  
finger  
head  
heart  
heavy  
(to) help  
inches  
job  
legs  
long  
materials  
minutes  
mouth  
neck  
nose  
open  
place  
poison  
position  
rapidly  
remove  
rise  
rope  
stopping  
switch  
timed  
watch  
weak  
wide

BASIC

airtight  
artificial  
artificial respiration  
available  
common  
common sense  
compression  
conduct  
constantly  
decision  
defected  
definite  
discomfort  
discover  
duties  
effects  
elevate  
exposed  
fatigue  
first-aid  
freezing  
hazards  
in contact with  
irregular  
knowledge  
measure  
medical  
mouth to mouth resuscitation  
necessary  
nonconductive  
perform  
personnel  
position  
prevent  
preventive  
pulse  
ratio  
relieved  
remove  
respiration  
return  
seal  
sense  
shirt  
shock  
soldier  
source  
tilt  
to assume  
treat  
victim

TECHNICAL

MSS I6D,P

Task Number: 441-I6D,P-1001

Task Title: OPEN THE AIRWAY AND RESTORE THE BREATHING AND HEARTBEAT.

GENERAL

adults  
airway  
almost  
any  
apply  
arms  
as long as  
assist  
assistance  
available  
away  
back  
backward  
becomes  
gin  
below  
beneath  
between  
blades  
blood  
blows  
brain  
breath  
breathing  
broken  
brought  
but  
causes  
certain  
checking  
check  
chest  
children  
circulation  
clear  
clothing  
compressed  
continue  
correct  
counts  
covers  
damage  
deep  
deliver  
determine  
does  
during  
ear  
effective  
every  
exaggerated  
exhales

BASIC

abandon  
adam's apple  
airtight  
alongside  
aloud  
artificial  
bulges  
cardiopulmonary  
carotid artery  
casualty  
CPR  
cycle  
deprived  
difference  
dislodge  
essentially  
exchange  
heel  
IAW  
inched  
index  
inflated  
kneeling  
maintain  
manage  
medic  
mouth to mouth resuscitation  
obstruction  
pause  
pinched  
pliable  
position  
procedure  
pulse  
ratio  
resistance  
respiration  
rotate  
signal  
victim  
volume  
vomit

TECHNICAL

backbone  
breastbone  
finger-width  
oxygenated

WPS 16D, F0001.

GENERAL

extended  
external  
falling  
feel  
feet  
felt  
figure  
finding  
finger  
first  
faceful  
forehead  
foreign  
forward  
    ll  
rully  
gentile  
has  
head  
heart  
heartbeat  
high  
hold  
immediately  
important  
infants  
inserting  
interlace  
kept  
less  
    es  
lifting  
likely  
lips  
listen  
locate  
locked  
look  
low  
lungs  
may  
maximum  
measure  
measures  
method  
mouth  
must  
nearest  
neck  
needed  
nose  
nostril  
note

GENERAL

once  
onto  
on top of  
opened  
opposite  
passage  
per  
perform  
performance  
permanent  
phrase  
placed  
packet  
press  
pressure  
robable  
properly  
providing  
pushing  
quick  
rate  
rederecne  
relieved  
remove  
removing  
repeated  
rescuer  
restored  
resumes  
rising  
roll  
ame  
seal  
seconds  
sharp  
shift  
shoulder  
should  
side  
signs  
since  
slide  
slightly  
small  
soldier  
squeezed  
starting  
still  
stomach  
stopped  
strong  
take over  
takes  
then  
therefore

GENERAL

through  
thumb  
tilt  
time  
tip  
tires  
together  
tongue  
try  
unconscious  
under  
until  
upon  
using  
verticle  
weight  
when  
ho  
wide  
will  
without

MOS: I6D,P  
TASK: 44I-I6D,P-1001  
TASK TITLE: PROTECT THE WOUND

GENERAL

across  
against  
already  
anyway  
applied  
apply  
as well as  
attempt  
available  
below  
bent  
between  
bleeding  
blood vessel  
bone  
break  
building  
burning  
changing  
circulation  
collect  
cover  
cutting  
elbow  
enemy fire  
etc.  
extend past  
given  
individual  
injured  
items  
jacket  
joint  
life  
material  
medical  
moving  
muscle  
must  
necessary  
nerves  
pain  
part  
performed  
person  
personnel  
pocket  
points

BASIC

arm pits  
bandages  
bind  
board  
casualty  
celan dressing  
closed  
field expedient splint  
fractured part  
grasp  
IAW  
immobilized  
impaired  
improvised  
joint  
leafy vegetation  
lifesaving measure  
medic  
open fracture  
overlying  
padding  
performance measure  
personnel  
poles  
poncho  
qualified  
razor sharp edge  
shelter half  
sling  
splint  
splinted  
"splint them where they lie"  
square knot  
sticking through  
sticks  
tissue  
tree limb  
unloaded rifle

TECHNICAL

NOB: I6D,P  
TASK 44I-I6D,P-J00I  
TASK TITLE: OPEN THE AIRWAY.

GENERAL

allow  
arms  
behind  
choking  
clogged  
facing fig. 2  
fast  
forceful  
grab  
hips  
in order to  
kneel over  
lungs  
make a fist  
navel  
on his side  
press  
ribs  
roll on his back  
sitting  
standing  
stomach  
straddle  
thrust  
upward  
vomits  
waist  
wipe  
wrap around

BASIC

clear  
soldier

TECHNICAL

airway  
Heimlich Maneuver  
inhale

MOS: I6D, P  
TASK: I6D, P-1001  
TASK TITLE: CONTROL FOR S OCK.

GENERAL

BASIC

TECHNICAL

absence  
actions  
adequate  
anxiety  
any  
appear  
apply  
artificial respiration  
ask  
as well as  
back  
because  
below  
better  
blanket  
bleeding  
blocking  
boots  
breath.  
but  
calm  
clear  
clothing  
comfortably  
conscious  
controlling  
determine  
develop  
especially  
etc.  
examine  
except  
exited  
expect  
explain  
face  
fast  
feel  
firm  
first aid  
fluid  
followed  
forward  
fracture  
gently  
given

WOS 160, P

Task Number: WOI-160, P-1002

Task Title: APPLY FIRST AID MEASURES FOR BURNS

GENERAL

as soon as possible  
attempt  
available  
blisters  
cause  
chemicals  
clean  
cloth  
clothing  
cover  
do not  
electricity  
explosives  
( re  
any way  
large amounts of-  
lasers  
nauseated  
neck  
pieces  
pour  
stomach  
stuck to  
sun  
unconscious  
unless  
vomiting

BASIC

as described  
burns  
evacuate  
first aid care  
medical help  
treatment  
wounded

TECHNICAL

burn area  
individual first aid  
medications  
ointments  
sterile dressing

FORM: 100-1  
TASK: 100-160, P-1000

TASK TITLE: ARTIFICIAL RESPIRATION TO A CHEMICAL AGENT CASUALTY

GENERAL

able to breathe  
allow to  
appears to rise  
apply  
approximately  
as far as  
automatically  
back (n)  
back of  
begins  
between  
blow into  
breathe normally  
chin  
clean out  
closed  
darkness  
daylight  
deep breath  
during  
edge  
finger  
for himself  
front of  
hand  
holding  
in place  
insert  
lifting  
lips  
mouth  
neck  
note  
open  
over the outside  
place (v)  
procedure  
putting  
rate  
remaining  
remove  
repeat  
scratch  
surround  
teeth  
until  
wash  
wearing  
wipe

BASIC

artificial respiration  
casualty  
chemical-agent casualty  
conditions  
contaminated area  
dummy  
exhale  
field protective mask  
foreign matter  
hooking  
loose dentures  
mask  
masking  
mucos  
NI resuscitation tube  
nostrils  
performance measures  
pinch  
relax the pressure  
resist  
resist resuscitation efforts  
resuscitation mouth piece  
surround  
thumb and index finger  
unconscious chemical agents

TECHNICAL

FORM: 100, 5

TITLE: APPLY PREVENTIVE AND FIRST AID MEASURES FOR CARBON MONOXIDE POISONING.

FILE: 441-16D, P-1005

GENERAL

BASIC

TECHNICAL

able  
above  
after  
apply  
area  
arm  
around  
arrive  
back  
because  
before  
blood  
blow  
breath  
breathes  
burning  
cause  
check  
chest  
chin  
chin up  
clear  
continue  
death  
deep  
early  
ears  
enough  
feel  
few  
fingers  
followed  
following  
forward

OS:I6D,P

ASK: MHI-I6D,P-1008

ASK TITLE: PERFORM MASKING AND UNMASKING PROCEDURES.

GENERAL

afterward  
him  
collapse  
consecutive  
designed  
difficulty  
edges  
face  
fullest  
gases  
alarm  
put on  
secure  
situation  
standard  
sound  
thumbs  
person becoming aware  
arming  
ear  
pick up to

BASIC

agent  
air-tight seal  
blowing hard  
bulges  
carrier  
centered  
chemical biological attack  
chin pocket  
clear  
clear your mask  
combat gear  
contaminated  
decontaminate  
designed  
drawstring  
eyepiece  
exposed  
familiarize  
field  
fullest extent  
garrison  
hand over  
head gear  
in accordance with  
initially  
masked  
muzzle  
over the head  
palms of the hands  
prefitted  
pressing out  
seat your mask  
shoulders  
situation  
sliding  
smooth  
sound the alarm  
standard alarm  
thumb  
underarm straps  
upward and backward motion  
velcro patches  
warning  
within  
zipping

TECHNICAL

agent  
carrier  
CS gas  
face piece  
headgear  
M17 series  
M17A1  
mask  
NBC attack  
protective mask  
voicemitter assembly

MO5 IAD, P

TASK: MHI-I6D, P- 1008

TASK TITLE: PERFORM MASKING AND UNMASKING PROCEDURES.

GENERAL

additional  
adjust  
alarm  
check  
collapsed  
clear  
containing  
disconnect  
don  
duties  
edges  
escape  
fit  
flat  
flap  
freezing  
harness  
leaks  
lens  
lie  
lungs  
matter  
order  
prefilled  
pressure  
properly  
protective  
red circle  
relieve  
rotate  
seat  
seal  
secure  
shoulder  
slip  
signal  
size  
snap  
snug  
surprise  
temperatures  
temple  
thumbs  
tight  
underarm  
upturned  
valve  
vehicle  
warning  
tearing  
worn

BASIC

action  
combat  
crewman  
dr. strings  
forepiece  
headgear  
helmet  
helmet shell  
hood  
mask carrier  
neck cord  
operations  
straps  
vehicle

TECHNICAL

attack  
boom  
canister  
coupling  
eyelens  
filter  
inlet  
microphone  
NBC  
unit

92

16D, P

16D, P-1009

16D, P-1009  
TITLE: MAINTAIN PROTECTIVE MASK AND ACCESSORIES.

GENERAL

adjust  
allows  
any more  
allow  
break down  
conflict  
corresponding hold  
damage  
exchange  
exhaled  
exists  
fall into position  
front  
raise  
old  
insert  
just enough  
lies on top  
measures  
obtain  
outlined  
outward  
pull  
push up  
reserve  
lip  
stretch  
work  
work into plan

BASIC

adjust  
align  
allow  
a pair of  
check pouches  
chemical agent  
clear the mask  
bottom edge  
break down  
correspondence  
curved edge  
damaged  
distortion  
exchange  
exhaled  
exposed  
fall into position  
immersed  
flap button  
function check  
grasp  
hold  
IAW  
inlet valves  
insert  
in the same manner  
lenses  
lies on top  
like manner  
long inner button  
moist  
nose cup  
notify  
obtain  
other hand  
out lines  
outside control  
replacement  
pad  
place under  
pull  
push up  
pushing up  
recheck  
reverse  
rubber  
seal  
short outer button  
slight turning motion  
slow  
square corner  
stretch  
toxic

TECHNICAL

button  
chin stop  
facepiece  
hole  
inlet valves  
wearer  
work collar  
work into place

AD-A121 092

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 16P SHORT  
RANGE AIR DEFENSE ARTILLERY MISSILE CREWMAN(U) DEFENSE  
LANGUAGE INST LACKLAND AFB TX ENGLISH LANGUAGE CENTER..

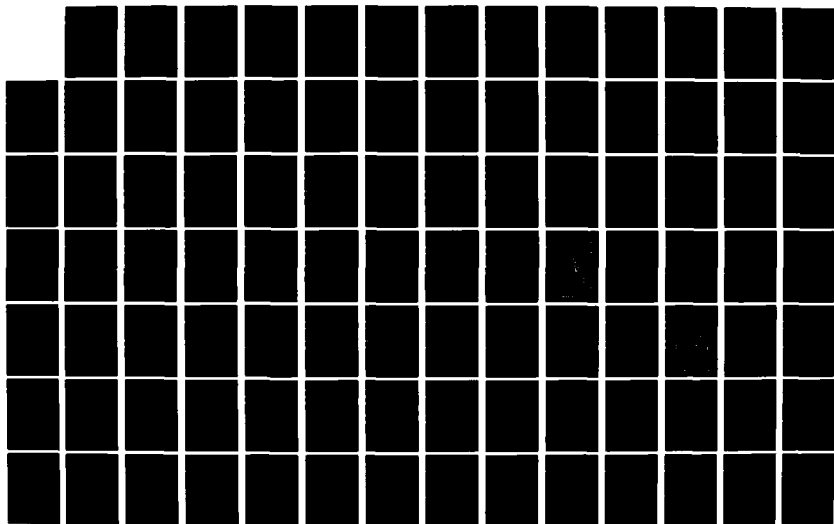
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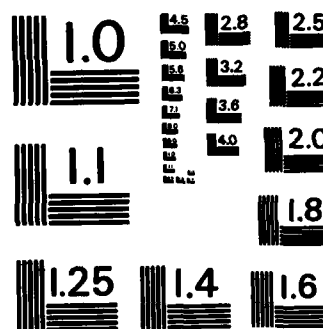
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F/G 5/9

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

ISS I6D,P

TASK: 441-16D,P-1609

TASK TITLE: MAINTAIN PROTECTIVE MASKING M32-50-112.

GENERAL

any  
being  
breaks  
breathing  
clogged  
correctly  
cracks  
dents  
due to  
dust  
evidence  
excessive  
following  
heavily rusted  
immersed  
loose  
missing  
present  
over large areas  
serviceable  
serviceability  
unserviceable  
water  
1/2 inch deep

BASIC

canister  
corrosion  
damage  
defects  
determine  
inspect  
nozzle  
organizational maintenance  
putting  
replacement  
resistance  
rust  
seams  
turn in

TECHNICAL

filter canister  
inlet  
lot number  
M24,25,25A1  
protective mask  
valve disk

OS: I6D,P

TASK : I6D,P-I009

TASK TITLE: MATHEMATICAL PROTECTIVE MASK AND ACCESSORIES.

GENERAL

allow .  
enclosed  
finger  
fold  
hang over  
hanging position  
hold in place  
left side  
remaining  
snap shut  
the fold  
upward

BASIC

carrier  
folded hood  
grasp opening  
hood  
insert  
opening  
protective mask  
stored

TECHNICAL

eyelens  
faceplate  
facing up and out  
head harness  
hood strap  
zipper

POS: I6D,P

TASK: LHT-T6.,P-IOIO

TASK TITLE: RECOGNIZE NBC HAZARDS AND MARKERS FOR CONTAMINATED AREAS.

GENERAL

area  
available  
buildings  
clothing  
crossing  
debris  
established  
fastened  
make sure  
puddles  
requires  
sa( y  
shrubby  
stir up  
surface  
tall grass  
tend  
woods

BASIC

agents  
avoid contact  
closures  
commander  
continuously  
equipment  
high ground  
level  
mission  
operational aspects  
permit  
protective  
radiological defense  
routes  
sandbags  
shielding  
standard  
super user  
vehicle

TECHNICAL

ABC-N8 detector paper  
agent alarm  
automatic chemical alarm  
buttoned-up mode  
contaminate  
contamination  
decontaminates  
detection equipment  
dosimeter  
guidance  
IN-174  
mission-oriented protective  
posture  
NBC defense  
operational exposure guidance  
radiometer  
reading

SI6D,P

SK: H, I, T6D, P-1010

SK TITLE: RECOGNIZE NBC HAZARDS AND MARKERS FOR AN CONTAMINATED AREA.

GENERAL

low  
contact  
continue  
contact  
terminate  
old  
findings  
under  
entry  
form  
liquid form  
ans  
note  
necessarily  
normally  
to  
physically  
presence  
order  
distance  
itable  
efficient  
permission  
are  
to match  
ing  
aring  
thin  
apping

BASIC

chemical agent  
color chart  
color reaction  
contact  
environment  
garrison  
indicator  
NBC NCO  
performance measures  
suspected agent  
trainer

TECHNICAL

ABC-M8 detector paper  
battalion level  
blister  
individual combat equipment  
inside cover  
masked  
nerve  
protective mask carrier  
unknown liquid stimulant  
unmask

WOS: I6D, P

TASK: 441-I6E, P-1010

TASK TITLE: RECOGNIZE NBC HAZARDS AND MARKERS FOR CONTAMINATED AREAS.

INSTRUMENT

GENERAL

amount  
area  
check  
clip  
convenient  
determine  
horizontal  
object  
operations  
period  
rot  
selected  
subtracting

BASIC

light source  
linear  
normal  
expected

TECHNICAL

calibrated scale  
charged dosimeter  
dosage  
dosimeter  
eyepiece lens  
IN 9E/PD  
IN 93/UD  
IN 93A/UD  
IN 147/PD  
milliroentgens  
NBC environment  
radiation  
radiation exposure  
radiometer  
roentgens  
shadow

OS: I6D,P

AK: 441-I6D,P- IOIO

AK TITLE: RECOGNIZE NBC HAZARDS AND MARKERS FOR CONTAMINATED AREAS.

GENERAL

allow  
ballpoint pen  
capable  
carried  
correct  
covered by hair line  
designed  
determine  
give  
eye  
hold  
inc ating  
normally distributed  
period of time  
point  
read  
report  
representative number  
soldier  
supervise  
total amount  
blue  
within

BASIC

commander  
entire unit  
hairline  
individual combat equipment  
light source  
performance measure  
platoon member  
roentgens  
squad member  
viewing board

TECHNICAL

average radiation exposure  
charging end  
IM 93A/UD  
IM 93/UD  
IM 93/UD Series  
pocket dosimeter  
marked  
metal barrel  
nuclear environment  
pocket clip  
present radiation dosage  
radiation  
radiation dosage  
rads  
rubber cap  
scale  
total dose  
total exposure

NOB: 16D,P

TASK: W41-16D,P-16M

TASK TITLE: OPERATE IN AND CROSS AN NBC CONTAMINATED AREA.

GENERAL

all  
avoid  
behind  
best available  
could be  
damaged  
described below  
etc.  
eyes  
expected  
information  
located  
protect  
shock  
the front of  
which

BASIC

antennas  
combustable  
complete  
cover  
duffle bags  
equipment  
equipment damage  
exterior components  
given  
helmet  
point the gun away  
position  
remove  
secure  
store  
take down  
vehicle  
water cans  
wear

TECHNICAL

ballistic shields  
blast  
brace for  
close and lock  
crew injury  
hatches  
lock the brakes  
oriented toward  
track vehicle

16D, P

501-16D, P-1012

ASK TITLE: DECONTAMINATE SELF AND INDIVIDUAL EQUIPMENT.

GENERAL

actual  
area  
agent  
attacking  
barrel  
chemical  
contaminated  
dusting  
equipment  
exposed  
extent  
exterior  
extrat  
imposed  
lapping  
pread  
thoroughly  
turning  
indicate  
inner  
inspecting  
it  
level  
inner  
neutralize  
ix  
sting  
id  
res  
rotative  
provided  
move  
loading

BASIC

agent  
attack  
carrier  
mask  
overgarment

TECHNICAL

capsule  
cutter  
decontaminate  
detector  
earth  
fullers  
pad  
reimpregnating

MOS: I6D,P

TASK: 44I-I6D,P-1012

TASK TITLE: DECONTAMINATE SELF AND INDIVIDUAL EQUIPMENT.

GENERAL

care should be taken  
clothing  
conditions  
corrosive  
dried out  
fabric  
filled with  
finished  
hear  
highly  
las  
left hand  
must be  
object  
right hand  
seconds  
should be filled with  
thoroughly  
water  
when

BASIC

avoid  
directed to  
equipment  
gloves  
grasp  
hold  
indicates  
mark  
personnel  
print  
prevent rusting  
refilling  
remove  
replace  
rusting  
training  
unit  
warning  
wearing

TECHNICAL

apparatus  
assembly  
body  
captive  
compressed gas  
contaminated  
charged  
charging handle  
decontaminate  
decontamination  
depress  
depress the handle  
DS 2  
flow  
handle locking pin  
has entered  
having sprayed  
hissing noises  
interrupt  
lift up on  
locking pin  
lower  
NBC environment  
nitrogen cylinder  
nozzle  
persistent chemical  
prefilled  
spray  
thumb lever

achieve  
advanced  
age  
appropriate (level)  
assign (ed) to  
awarded

below  
bent leg situps

cannot  
certification  
clear  
complete  
conducted  
contain  
containing  
crawl  
credit

demonstrate  
dodge  
during (daylight)

each member  
elect (to) (choose)  
entire  
established  
evaluation  
event  
exceed/exceeding

failure  
fitness  
fire

given

horizontal ladder

in accordance with  
inverted

jump

ladder  
level  
listed (below)

maintain  
male  
measure (s)[n]  
meet standards

advanced  
age  
APFT (advanced physical  
fitness test)  
AR 600-9  
assigned  
awarded

bent leg situps

certification  
combat  
combat service (support unit)  
combat support unit  
combat unit  
control  
counts against  
counts for  
cumulative

dodge

events

FM 21-20

horizontal ladder  
inverted crawl

jump  
jutting out

level

male  
minimum  
modified situps  
months

No go/go  
non-observed

once

participation  
performance (measures)  
personnel  
physical fitness  
points (s)  
profiles  
program  
push-ups

bent-by situps

clog  
combat support unit

fitness

horizontal ladder

inverted crawl

level

push-ups

TDA organization

members  
mile  
minimum level (standard course)  
month

note (V. n)

one  
once (every)  
or else  
organization  
outlined

participation  
performance  
personnel  
physical fitness (test)  
points  
portion (s)  
purposes

required  
result  
run

score (d)  
service  
site (s)  
specialist  
standard (s)  
support

test event  
test (ed) on  
test site  
total

under the age

weather  
will  
will be given

readiness  
reference  
run, dodge, jump

score  
service support  
shuttle run  
sit-ups  
stationary run  
support

TDA unit  
test  
test event  
total  
training field  
two-mile run

unit  
unit mission

MOS 16D

Task Number: 441-16D-1016

Task Title: Resist interrogation

GENERAL

acting  
after  
answered  
approach  
as follows  
be applied  
close  
clothing  
completion  
conduct yourself  
decline  
different  
disclose  
during  
effective  
enemy  
entirely different  
equipment  
escape  
evade  
every possible means  
extract  
false  
fellow prisoners  
harmful  
home  
honorably  
ignorant  
immediately  
information  
in the hands of  
kindness  
IAW  
mental stress  
methods  
more effective  
more experienced  
much more  
next time  
period  
physical  
physical force  
POW  
prisoners  
provide  
questionnaire  
received  
recorded  
report  
resist  
respectful  
resolute

BASIC

captured  
capturing forces  
enemy near area  
exploitation  
FEBA  
Geneva Convention  
in the field  
indoctrination  
interrogation  
overrun  
personnel  
POW  
route  
security measures  
service number  
troops  
unit

TECHNICAL

105  
106

GENERAL

several  
simple  
soft  
superiors  
to be cooperative  
to be taken  
to control  
to convince  
to obtain  
trained  
treatment  
try  
value  
way

BASIC

TECHNICAL

Geneva Convention (GE)

apply  
against  
anxiety  
attempts  
as above  
ASAP

certain right

escape

follow  
five "S"  
feeding

handling  
helps

immediately after  
information  
insure  
invent  
is accorded

keep apart  
keep

maps  
making up  
medical care  
mistreat

normally  
none

prisoners of war  
performed  
period  
possible  
produce  
prevent  
proper

realize  
reasons  
right  
responsible

search  
seize  
separate  
stops  
same story

silence  
silent  
same  
send

task

use against

written information

Combat Tech: (BM)

captors

disarm

Geneva Convention

hostilities

intelligence value  
interrogation  
internment

send up  
supporting new elements

MOS 16P

Task Number: 441-16P-1019

Task Title: Safeguard classified info

GENERAL

BASIC

TECHNICAL

all conceivable situations  
basic security principles  
be applied  
classified documents  
collection  
common sense  
confidential  
discussed  
each individual  
existing regulations  
for personal use  
guarantee protection  
identified by appropriate cover  
in possession of  
license for access  
logical interpretation  
"need to know" basis  
notified security  
notify responsible person  
obtaining  
posses or has knowledge of  
prohibited  
protect it  
protection  
recording  
regardless of  
removing  
responsibility  
safeguard classified information  
safeguard it  
secret  
secure the container  
security clearance  
security manager  
security regulations  
top secret  
unattended classified document  
unattended open security container

MOS 16P

Task Number: 441-16P-1021

Task Title:

GENERAL

dirt  
light  
noise

BASIC

be disposed of  
combat  
concealed  
concealed from view  
defensive position  
disposed of  
empty ammunition boxes  
established collection point  
field condition  
filtered  
for conduction of  
gloves  
individual and unit equipment  
light discipline  
litter discipline  
maintain  
metal parts  
natural concealment and camouflage  
noise discipline  
poncho  
practice  
shine  
shiny metal surfaces  
tactical mission  
taped  
the element (unit or sub unit)  
unnecessary movement  
vehicular and foot travel  
vital to survival  
when contacting  
when occupying defensive position  
wire communications  
without leaving any trace

TECHNICAL

109  
110

MOS: 16D,P

TASK: 441-16D,P-1022

TASK TITL INSTALL, OPERATE AND MAINTAIN FIELD TELEPHONE TA-1/PT and TA-312/PT.

GENERAL

assistance  
available  
avoid  
case  
cords  
daily  
environment  
errors  
flame  
in accordance with  
initially  
inspect  
maintenance  
operator  
panels  
perform  
press  
prolonged  
provide  
re/installed  
serviceability  
sit  
spills  
ventilation  
warning

BASIC

chief  
nontactical  
services  
standby  
tactical  
task  
team  
thru

TECHNICAL

buzzer  
control  
cradle  
deicing  
faults  
foreign  
hardset  
hook  
latch  
leakage  
matter  
NBC  
post  
retaining  
screen  
situation  
springs  
switch  
volume

MOS: 16D,P

TASK: 441- 16D,P-1023

TASK TITLE: COMMUNICATE USING PROPER RADIO/TELEPHONE PROCEDURES.

GENERAL

a  
another  
as listed  
as outlined  
as stated as such  
as written  
assigned  
below  
by  
cases  
correct  
designated  
exact  
however  
identifying  
in  
intended  
maybe  
meanings  
message  
multiplies  
normal  
on  
operating  
oral  
perscribed  
pronunciation  
requirement  
sample  
so that  
special  
specific  
spoken  
station  
such as  
the  
their  
there are  
thousands  
use  
where  
with  
written

BASIC

TECHNICAL

CEOI  
call sign  
code group  
coded message  
digit by digit  
RM Radio set  
frequency  
net  
radio message  
radio procedure  
receive  
receiving station  
station  
to receive  
to transmit  
transmission  
transmit  
transmitting station  
Phonetic alphabet  
Phonetic numerals  
Prowords  
-all after  
-all before  
-authenticate  
-authentication is  
-bread  
-correction  
-groups  
-I authenticate  
-I say again  
-I spell  
-message  
-more to follow  
-out over  
-radio check  
-Roger  
-say again  
-this time  
-time  
-wait  
-wait out  
-Wilco  
-word after  
-word before

111  
44

NOV 160, P.  
TASK: 441-160, P- 1024  
TASK TITLE: CAMOUFLAGE/ CONCEAL SELF

GENERAL

aerial  
approached  
approaching  
approximately  
before  
blend  
cleaned  
completion  
construct  
continually  
darkness  
destroyed  
detect  
dirt  
discolor  
driving  
earth  
excess  
expose  
fouls  
given  
ground  
hidden  
improved  
inches  
leaving  
light  
littered  
log  
meters  
noise  
normally  
observes  
overhead  
preparation  
position  
protection  
provide  
rear  
removal  
replaced  
requires  
soil  
specific  
traces  
unnecessary

GENERIC

bayonet  
camouflage  
camouflage materials as available  
entrenching tools  
expedient materials  
field equipment  
individual defense  
natural camouflage  
poncho  
scabbard  
sector of fire

TECHNICAL

TASK: HJT-740, P-1026

TASK TITLE: . CONSTRUCT AND CAMOUFLAGE AN INDIVIDUAL DEFENSIVE POSITION.

GENERAL

a  
alter  
and  
any  
appropriate  
area  
background  
color  
conceal  
cover  
daylight  
during  
equipment  
follow  
foliage  
given  
grass  
hours  
in  
irregular  
item  
location  
manmade  
materials  
military  
mud  
minutes  
natural  
of outlines  
paint  
pattern  
predominant  
remaining  
shiny  
shape  
size  
snow  
so  
surface  
terrain  
these  
to blend  
use  
with  
within

BASIC

basic  
camouflage  
conceal  
equipment  
field  
field location  
manmade  
natural camouflage materials  
net  
predominant terrain background pattern  
to blend

TECHNICAL

113  
H4

REF ID: A6D, P

TASK UNIT-16D, P- 1026

TASK TITLE: CONSTRUCT AND CAMOUFLAGE AN INDIVIDUAL DEFENSIVE POSITION.

GENERAL

additional  
approach  
approaching  
approximately  
area  
blend  
break up  
buddy  
build  
bush  
careful  
carry  
change  
check  
circle  
completed  
completion  
conceal  
concealment  
constantly  
constructed  
construction  
corner  
cover  
cut  
darkness  
daylight  
detect  
detection  
dig  
dirt  
disturb  
driver  
dusty  
dying  
excessively  
expose  
foliage  
front  
ground  
grow  
handy  
hole  
insure  
intact  
leave  
light  
litter  
limited  
location

BASIC

aim  
camouflage  
defensive position  
destroy  
direct fire  
enemy  
field location  
foxhole  
hand grenade  
heavy caliber  
muzzle  
parapet  
poncho  
position  
sector of fire  
soldier  
tactical situation  
weapon

TECHNICAL

MOD: I6D,P

TASK 44I-I6D,P-IO28

TASK TITLE: PERFORM PREVENTIVE MAINTENANCE ON M16IA RIFLE, MAGAZINE, AMMUNITION.

GENERAL

abrasives  
allow  
aluminum  
amount  
apply  
arctic  
area  
assemble  
assembly  
authorized  
available  
badly  
barely  
behind  
bent  
body  
boom  
broken  
busted  
carbon  
care  
case  
caution  
check  
chip  
clean  
cleaning  
close  
cloth  
coat  
coldest  
component  
condition  
conduct  
consecutive  
contain  
cool  
corroded  
corrosion  
crack  
damage  
day  
defective  
dented  
depend on  
deposit  
depress

BASIC

action spring  
ammunition  
armorer  
assembly  
ball  
barrel  
barrel extension  
base clutch  
bipod  
blank  
bolt  
bolt carrier  
bolt ring  
bore  
bore brush  
bullet  
buffer  
cam pin  
carrier  
carrier key  
cartridge  
cartridge rim  
catch  
catch button  
chamber  
charging handle  
clear  
cocked  
combat  
compare  
crud  
drain hole  
dummy  
extractor  
extractor pin  
eyeball  
firing  
firing pin  
flash suppressor  
follower  
gas tube  
gig  
group  
hammer  
handguard  
lock  
locking lug

TECHNICAL

115  
40

NOS: I6D,P

TASK: 44I-I6D,P-IO29

TASK TITLE: LOAD, REDUCE A STOPPAGE IN, UNLOAD, AND CLEAR AN M16A RIFLE.

GENERAL

accomplish  
all the way  
apply  
clear  
check  
contact with  
depress  
eliminate  
engages  
fails to  
feel less  
get hurt  
given  
holds  
however  
immediate  
in safe direction  
insure  
load  
make sure  
minutes  
near  
only applicable  
open  
performance  
performing  
place  
place..on.  
place  
point(v)  
pointing  
pull  
push upward  
real  
reduce  
release  
safe direction  
seconds  
simulated  
task  
trouble  
turn...in  
upward  
use immediate action  
warning  
within

BASIC

a round  
actual combat  
ammunition  
assembled  
bolt  
bolt assembly closed  
bolt assembly open  
bolt catch  
case/cartridge  
cease  
cleaning  
chamber  
charging handle  
cock off  
during training  
ejection of  
eyeball (v)  
feed  
fire  
forward assist  
fully forward and locked  
fully rearward  
hammer  
hot barrel  
hot chamber  
in accordance with  
in garrison  
in the field  
jammed cartridge case  
lever  
live blank  
live firing requirements  
load  
loaded  
lodged  
magazine  
magazine catch  
muzzle  
M16 rifle  
new round  
observe  
obstruction  
on safe  
operational M16  
performance measure  
pop

Mod: I6D.P  
TASK h4I-I6D.P-1030  
TASK TITLE: ZERO A: MI6IA RIFLE.

GENERAL

acceptable  
against shoulder  
aiming  
any manner  
appears to  
arrow marked up  
as indicated  
below  
center  
centered on  
circle  
concerned with  
consist of  
corrected  
daylight  
desired direction  
detected  
drawn through  
exactly  
front  
given  
hit  
imaginary horizontal line  
imaginary vertical line  
in the chart  
included  
insures  
move to left  
move to right  
normal conditions  
obtained  
permits  
place, at(v)  
rear  
reverse  
rotate  
rotating  
series of  
split (v)  
support  
target  
top center  
touch-fall within  
turn clockwise  
turn counterclockwise

BASIC

adjustable  
ammunition  
analysis card  
aperture  
area of white cutaway  
basic elements  
bullet sight zero  
bisection  
black rectangle

TECHNICAL

TASK: M1-J6D, P-1031

TASK TITLE: QUALIFY WITH THE M16A1 RIFLE

GENERAL

achieve  
administration  
against  
appendix  
attain  
authorized  
awarded  
banging  
burn  
can  
cause  
certification  
check  
component  
condition  
contact  
could  
counts  
course  
credit  
damage  
dangerous  
daylight  
described  
difference  
direction  
distance  
during  
each  
either  
equipped  
evaluation  
exchange  
experienced  
explode  
exposure  
fast  
follows  
for  
free  
ground  
harm  
hits  
hot  
however  
inch  
included

BASIC

ammunition  
arms qualification  
barrel  
bolt  
bolt assembly  
bolt group  
bore  
bullet  
butt stock  
caliber  
cam pin  
cartridge case  
chamber  
clear  
cook-off  
direct support maintenance  
engage  
expert  
fire  
fired  
firing  
firing range  
firing table  
go  
live round  
low light level sight system  
magazine  
marksman  
muzzle  
no go  
non observed  
powder grain  
practice firing  
promethium  
propellant  
qualification  
qualify  
range  
receiver  
recoil  
record fire  
record score card  
record range  
retract  
rifle  
round  
sharpshooter

TECHNICAL

MOSI4n,p

TASK NUMBER: 447-T4N,P-1032

TASK: Prepare a W/2A2 LAY for string; restore a M72A2 LAY to the carrying configuration

GENERAL

align	indicate	subsequent
alternate	intact	supplementary
appropriate		symbol
assign	known saint	
assists		tip
available	label	tube
	level	
bar	located	verify
bent		
blocked off	man-made	windmill
	marginal data	woodline
	motion	
collapse		
compression	natural	
conduct	nearby	
coordination	normally	
corresponding		
cracked	occurred	
crushed	orchard	
	orientation	
darkness	oriented	
daylight		
dented	pickout	
determine	press	
discard	primary	
dispose of	protrudes	
draws	push	
enclosed	re-extend	
estimated	regardless	
exert	representative	
extend	rotate	
	rough drawing	
fail(ure)		
fence	seals	
fingertips	secondary	
	sharpen	
grasp	shoulder	
	sketch	
hills	slot	
hinge	snap	
hold in place	solid line	
	squeeze	
illustrate	stakes	
imaginary	stationary	
immediate	steady	
in accordance with		

119  
+2

# ENGLISH TARGETS ON A FIRING RANGE WITH AN M72A2 LAW

## GENERAL ENGLISH

accurate  
aided  
apply  
available  
  
bar  
  
center  
clear  
close  
combination  
consist of  
correspond to  
curved  
  
daylight  
determine  
device  
distant  
down  
downward  
drawing  
during  
  
each  
easily  
edge  
erect  
estimate  
eye  
  
fast  
feature  
fingertips  
first  
front  
  
hit  
hour  
  
imaginary  
indexed  
  
kilometer  
know  
  
less  
locate  
located  
  
measure  
meter  
mile  
moving

object  
only  
  
per hour  
place  
plastic  
print  
possible  
present  
presented  
pressure  
purpose  
  
rear  
recognized  
rough  
  
same  
series  
serve  
show  
slow  
smooth  
squeeze  
speed  
stake  
stationary  
steady  
step  
straight  
suitable  
  
terrain  
through  
top  
  
unique  
usable  
use  
  
view  
vertical  
  
when

## BASIC MILITARY

aim  
align  
  
defensive sector  
  
engage  
engagement  
estimation  
  
fire  
fired  
firer  
firing range  
flank  
flip-up  
flip-up peepsight  
frontal  
  
gunner  
  
increment  
  
launcher  
lead cross  
leaf  
light anti-tank weapon  
  
mass  
moving target phase  
  
oblique  
  
paced off  
peep  
  
range  
range line  
range mark  
range/sector card  
reference point  
rocket  
round  
  
sight  
stadia line  
stationary target phase  
subcaliber  
  
target  
trigger  
  
visual

MOB: I60, P  
TASK: I6I-I6D, P-I03h  
TASK TITLE: ENGAGE TARGETS WITH HANDGRENADES.

GENERAL

accurate  
accuracy  
air  
along  
all around  
another  
approach  
approximately  
area  
arm  
attach  
attempt  
available  
baseball  
before  
best  
body  
buddy  
building  
bunker  
cave  
center  
chin  
choice  
closer  
clothing  
clustered  
comfortable  
comfortably  
complicated  
continually  
concentrat  
constant  
cover  
count  
daylight  
designated  
desired  
destroy  
dismounted  
distance  
dug in  
during  
easiest  
effective engagement  
effective bursting  
radius  
emplacement  
enemy enclosure

BASIC

airburst  
arm  
arming  
arming sleeve  
alignment  
army-target  
barber  
clustered  
cookoff  
cover  
defuze  
dismounted  
dud  
dug in  
effective bursting radius  
emplacement  
enclosure  
enemy  
engage  
enclosure  
enemy  
engage  
enclosure  
expended  
explode  
eye-target focus  
field of vision  
fighting position  
foxhole  
fragmentation  
frontal cover  
fuze  
grip  
hand grenade  
left-hand  
lever  
live  
load-bearing equip.  
mortar  
on the fly  
overhanded  
overhead cover  
pin  
practice  
practice fuze head  
pull ring  
packing container  
right-hand  
riot control grenade

TECHNICAL

121  
L21

MOS: I6D, P

TASK: I6D, P-1035

TASK TITLE: INSTALL/RECOVER AN ELECTRICALLY ARMED CLAYMORE MINE.

GENERAL

accidental  
account for  
aiming  
bury  
conduct  
disconnect  
disturbed  
excess  
firm  
fixed  
given  
in line  
indicates  
individual  
install  
misaligned  
observe  
packed in  
pairs of  
plug  
possession  
prior to  
quick  
recheck  
recovered  
repacked  
reroll  
screw  
select  
shoulder  
tie  
unscrew

BASIC

accessories  
actuate  
aiming  
camouflage  
cardboard container  
circuit test  
conduct  
connector  
crimped  
detonated  
detonator well  
dust cover  
emplaced mine  
emplacing  
FIRE position  
firing device bail  
firing position  
firing wire  
fixed  
fragment spray  
functioning  
groove of the sight  
in line  
inert blasting cap M40  
installation site  
kill zone  
knife edge sight  
lead element of an enemy  
formation mine  
M-7 bandoleer  
M18A1 antipersonnel mine  
M 40 test set  
M 57 firing device of the way  
packed in  
parallel to  
performance measure  
plug  
recovered  
repacked  
sand bag  
shipping plug priming adapter  
shorting plug end  
slotted end  
squeeze  
unroll

TECHNICAL

actuate  
arrow  
circuit test  
composition C4  
connection  
detonated  
dust cover  
emplaced mine  
emplacing  
flap  
folding legs  
FIRE position  
firing device bail  
firing wire  
fragment spray  
groove of the sight  
identification tag  
inert blasting cap M-40  
instruction sheet  
insulation tape  
kill zone  
lead of an enemy formation  
molded slit-type  
M57 firing device  
M40 test set  
M7 bandoleer  
plastic matrix  
peep sight  
shipping plug  
primary adapter  
scissors type

122  
125

MOS: 16P

TASK: FM 23-17 441-16P-1037

TASK TITLE:

GENERAL

aircraft  
as soon as possible  
audible tone  
back  
bending  
category  
continue  
daylight hours  
determine  
during  
head  
inserted  
know  
left arm  
obtain  
observe  
particular  
place  
pressing and holding  
removed  
right to left  
team  
up  
use  
warm up period

BASIC

binoculars  
covers  
engage  
firing  
hostile  
radio set  
safety precautions  
tactical environment  
target  
task  
to back  
to fire

TECHNICAL

active zone  
battery cooling unit (BCU)  
center load receptacle  
firing trigger  
IR (infra red)  
lead S/L receptacle  
left S/L receptacle  
model airplane  
open sight assembly  
range ring  
range ring profile  
redeye  
right superelevation  
safety activator  
seeker  
sensing  
TADDS  
uncage  
uncage box

123

124

MOS: 16P

TASK: 441-16P-1041

TASK TITLE: PERFORM OPERATOR MAINTENANCE ON A CALIBER .50 HB M2 MACHINE GUN AND AMMUNITION.

### GENERAL

accessories  
accidentally  
affect  
all components  
allow  
allow to go forward  
anyone  
applicable  
apply  
arctic weather  
as follows  
as much as possible  
as soon as possible  
as well as  
attempt  
attempt to  
at the same time  
be careful  
because of  
before  
behind  
below  
by lifting  
burn off  
clean (adj.)  
climate  
climatic  
clockwise  
close fit  
cold climate  
come in contact with  
complete (v)  
component  
compress  
consecutive  
consistently  
correctly  
cover  
daily  
damage  
darkness  
day  
daylight  
determine  
disassemble  
dry (Adj.)  
dry (v)  
during  
effectiveness  
efficient

### BASIC

accessory  
accuracy  
arctic weather  
assemble (the gun)  
assembly  
bore  
bore cleaner  
bolt  
burr  
canvas  
chamber  
check  
cleaner  
cleaning kit  
clear  
cock (the gun)  
combat  
condition  
conduct  
depress  
dirt  
field conditions  
function  
general disassembly  
gun cover  
gunner  
grease  
group  
in accordance with  
in reverse order  
inspect  
inspection  
LAW lubricating oil  
lightly oiled  
limited  
LSA lubricating oil  
lubricant  
lubricate  
lubricating oil  
moisture  
major  
oil  
PL special  
poncho  
prescribe  
preserve  
preservative  
protection  
rags  
removal

### TECHNICAL

accelerate tips  
align with  
backplate latch  
barrel buffer  
barrel locking notches  
barrel extension  
body spring lock  
bolt latch  
bolt latch release  
bolt latch notches  
bolt slot  
buffer body group  
buffer tube  
caliber 50 HB M2  
clearance hole  
collar of the bolt stud  
FM-31-70  
friction producing parts  
head of driving spring rod  
holder section swab  
inner & inter driving sp  
latch lock  
locking lug  
M3 tripod mount  
machine gun  
mount maintenance  
operator maintenance  
ORD 3 SNL A-1  
ordinance regulation  
powder residue  
primer fouling  
retaining pin  
right side plate of receiver  
spring rod  
t-slot  
TM 9-207  
TM 9-1005-213-10  
threads  
3/8 inch hole  
trigger lever

1621

MOS: 16P

TASK: 441-16P-1045

TASK TITLE: Perform troubleshooting procedures on Chaparral carrier.

GENERAL

cause  
know  
probable

BASIC

before, during, after PM  
final function  
locate and identify  
maintenance or tactical  
area  
outdoors  
perform  
reported to

TECHNICAL

adjust back tension  
beyond the capability  
chaparral carrier  
draining materials  
corrective action  
DA FORM 2404  
deficiency  
(normal and abnormal  
indicators)  
operator tool kit  
(organizational main-  
tenance personnel)  
troubleshooting procedures

125

126

MOS: 16P

TASK: 441-16P-1047

TASK TITLE: Install and perform operational checks on Chaparral guided missile system (M48) auxiliary equipment.

GENERAL

check  
identify

BASIC

all weather conditions  
install  
(maintenance of tactical area)  
perform operational checks  
perform outdoors  
proper operation  
report deficiencies

TECHNICAL

antenna  
auxillary equipment  
(chaparral guided missile system)  
chaparral system  
cleaning materials  
(communications malfunction)  
DA FORM 2404  
net control station  
organizational maintenance  
radio  
(range safety cable assembly)  
(range safety control equipment)  
(remote control unit radio set)  
telephone

MOS: 16P

TASK: 441-16P-1048.

TASK TITLE: Perform Chaparral missile misfire/ hangfire procedures.

GENERAL

closed  
minutes

BASIC

gunner  
perform

TECHNICAL

canopy  
compartment  
deenergize launch station  
identify malfunction  
level of proficiency  
(missile misfire/layfire  
procedures)  
remove fins and wings  
simulated  
system explained  
without references

MOS: 16P

TASK: 441-16P-1049

TASK TITLE: Perform Chaparral squad drill.

GENERAL

BASIC

connect  
operate  
perform  
select

TECHNICAL

associated equipment  
(c. guided missile equip-  
ment carrier  
chaparral squad drill  
chaparral system  
communications subsystem  
(examination of equip-  
ment squad drill)  
launch station  
post action squad drill  
(preparation for action  
squad drill)

MOS: 16P

TASK: 441-16P-1050

TASK TITLE: Perform target engagement procedures.

GENERAL

NONE

BASIC

know  
perform  
tactical site

TECHNICAL

(air defense warnings  
and weapons control)  
binoculars  
c. system emplaced  
identify aircraft  
locate aircraft  
observer procedure  
TADDS  
(target engagement pro-  
cedures)  
(target engagement squad  
drill)  
telephone communication

130  
135

MOS: 16P

TASK: 441-16P-1051

TASK TITLE: Load and unload the Chaparral missile.

GENERAL

NONE

BASIC

all weather conditions  
clean and inspect  
inspect and check  
install  
load and unload  
locate and position  
controls  
performed outdoors  
remove

TECHNICAL

chaparral missile  
chaparral system  
condition system  
loading and unloading  
missile coffins  
(missile storage container  
connector)  
necessary tools  
safety streamers  
storage compartment  
shorting plug  
wings and fins

131

132

MOS: 16P

TASK: #1052

TASK TITLE: Install/remove/store the Chaparral swim kit.

GENERAL

available  
require  
supervision

BASIC

all weather conditions  
amphibious  
fording  
install/remove/store  
performed outdoors  
terrain

TECHNICAL

carrier  
(chaparral floatation  
curtain)  
chaparral swim kit  
chaparral system  
floatation exhaust duct  
hardware  
operator tool kit  
swim kit  
(tailgate seal-to-hull  
seals)

132  
133

MOS: 16P

TASK: 441-16P-1053

TASK TITLE: Occupy and improve a Chaparral firing position.

GENERAL

action  
close to  
develop and use  
field  
occupy  
principles

BASIC

available  
camouflage  
camouflage materials  
concealment  
cover  
designated site  
improve  
occupy  
operate  
perform  
position designated  
prepare  
supervision  
task  
tactical conditions

TECHNICAL

c. CM equipment carrier  
chaparral firing position  
C. system  
observation post  
range cards

133  
KEL

MOS: 16P

TASK: 441-16P-1054

TASK TITLE: Perform observer procedures.

GENERAL

adjust  
aircraft  
binoculars  
direction  
flat  
follow  
hilly  
identify  
know  
observe  
occupying  
recognize  
scan  
search  
systematic  
telephone  
to locate  
use

BASIC

alerted  
not alerted  
not available  
observation post  
observer procedures  
perform  
search pattern  
sectors of search  
squad leader  
supervision  
target engagement  
terrain

TECHNICAL

(chaparral system em-  
placed)  
prime target line  
range card  
TADDS  
target alerting information

134

42

MOS: 16P

TASK: 441-16P-1055

TASK TITLE: Perform water-crossing operations.

GENERAL

as soon as possible  
all weather condition  
at the same time  
available  
bank  
completed  
crossing  
determine  
diving  
enter  
entrance  
exits  
land  
large  
MPH(miles per hour)  
observe  
operate  
outdoors  
perform  
prepare  
require  
safe  
safety measure  
slowly  
supervision  
to avoid  
water  
water operation  
water tightness

BASIC

amphibious operations  
fording  
in echelon  
inspect  
install/remove/store  
safe water entry  
safe water exit  
terrain  
vehicle  
water crossing operation

TECHNICAL

(after-water-operation  
check)  
bow  
bow wave  
chaparral system  
swim kit installed  
swimming the vehicle

B5  
126

MOS: 16P

TASK: 441-16P-1056

TASK TITLE: Occupy Redeye position.

GENERAL

advantage  
available  
binoculars  
equipment  
maximum  
occupy  
report  
supervision

BASIC

camouflage  
establish communication  
in lieu of  
in the field  
position designated  
radio set  
tactical conditions  
terrain

TECHNICAL

range card  
ready for action status  
reduces  
reduces position

136

MOS 16P

Task Number: 44-16P-2001

Task Title: Determine azimuth

GENERAL

adjust  
aline  
angle  
approximately  
arm  
vised  
black  
body  
brace  
center  
correctly  
cover  
desired  
determine  
elevation  
end  
exact  
eye  
face  
float  
fold  
freely  
hand  
hold  
level  
location  
lower  
measure  
measurement  
method  
mirror  
needle  
non metallic  
object  
opening  
parallel  
perpendicular  
place  
position  
precise  
raise  
read  
stake  
tip

BASIC

azimuth  
black centerline  
bubble  
circular level  
compass  
declinate  
front sight  
grid azimuth  
MIL  
rear sight  
rear sight holder  
scale  
sight  
target

TECHNICAL

MOS 16P, D

Task Number: 441-16P, D 2003

Task Title: Navigate with compass

GENERAL

affect  
alter  
black  
company  
conduct  
confirm  
darkness  
daylight  
detailed  
directions  
distance  
during  
e.g.  
fixed  
formal  
geographical location  
ground  
location  
list  
manmade  
map  
margin  
match  
metallic objects  
moving along  
parallel  
performed  
place  
printed  
rifle  
rotate  
select  
take advantage of  
to begin  
top  
under any  
weather conditions

BASIC

compass  
encountered  
features  
helmet  
magnetic needle  
mental checklist  
orient  
references  
task  
terrain features

TECHNICAL

convert  
cornerside  
declination diagram  
finish point  
grid azimuth  
index line  
magnetic azimuth  
map distance  
map reconnaissance  
north south grid line  
pace count  
pacing  
short point  
terrain analysis  
topographical map

NOS 16P

Task Number: 441-16P-2004

Task Title: Navigate using a map

GENERAL

a map  
according to  
all  
arrival  
as above  
available  
basic  
both  
careful  
common  
compass  
confirm  
( rrect  
depicted  
distant  
draw  
easier  
examination  
fence lines  
find  
found  
from  
geographic  
ground (n)  
if  
in  
know  
line  
( cations  
maintains  
maybe  
more  
move  
nearest  
objective  
on  
once

BASIC

alining  
black  
blue  
brown  
color coding feature FM 21-26  
green  
linear features  
map association  
map orientation  
navigate  
oriented  
plot  
pride terminal  
prominant  
red  
straight edge  
topographic

TECHNICAL

MOS 16P

Task Number: 441-16P-2005

Task Title: Measure distance on a map

GENERAL

BASIC

TECHNICAL

ability (n)  
add this value  
allows (v)  
already (adv)  
always (adv)  
another (pro)  
apart (adj)  
approximate (adj)  
around (prep)  
between (prep)  
bottom  
certain (adj)  
( chalkboard (n)  
changes (pn)  
chart (n)  
come (v)  
consensus  
determine  
different (adj)  
direction (n)  
distance (n)  
drawn  
earth (n)  
edge (n)  
equals (v)  
falls within  
far (adv)  
final (adj)  
find (v)  
( goes off  
greater than  
ground (n)  
hits (v)  
how far  
in fact  
identify (v)  
inch (n)  
just under  
keep  
least (adj super)  
line  
line up (verb comb)  
locate  
make (v)  
map (n)  
mark (n)  
means  
measure (pn)  
meters (pn)  
miles  
minutes (pn)  
near (adv)  
new

VOCABULARY FOR TASKS LISTED BELOW TO FOLLOW

441-16P-1003	Remove a victim from an electrical source and apply first-aid for electrical shock
1006	Practice proper personal hygiene procedures
1007	Apply preventive measures to reduce climatic injuries
1013	Navigate from one point on the ground to another with the aid of a strip map
1017	Report information of possible intelligence value
1018	Engage hostile aircraft with individual weapon
1025	Select hasty individual temporary battlefield positions that provide cover and concealment
1027	Conceal movement by using weather and light conditions
1036	Perform operator maintenance on assigned section vehicle
1037	Emplace, operate, and march order the target alert data display set (TADDS)
1038	Perform operator checks and adjustments on the target alert data display set, to include PM and corrective maintenance if necessary
1039	Perform preventive maintenance on generator set, 1.5kw, dc, 28v
1040	Visually recognize aircraft
1042	Energize and deenergize the Chaparral launch station (M54)
1043	Operate the Chaparral launch station under unusual conditions
1044	Perform PM checks and services on Chaparral carrier
1057	Engage hostile aircraft with Redeye
2002	Locate a point on a map
2006	Use correct radio/telephone procedures
2007	Perform duties as commander of the relief
2008	Conduct squad/section level training
2009	Perform preventive maintenance checks and services on the Chaparral launch station (M54)
2010	Prepare Chaparral launch station for helicopter travel

---

141

142

**Prepositions:**

**A. Simple**

- |                                   |            |
|-----------------------------------|------------|
| (a) place                         | on, in     |
| (b) time                          | in, at, on |
| (c) direction/motion              | to         |
| (d) manner/agent/<br>instrument   | by, with   |
| (e) measurement,<br>number amount | of         |

**B. Compound:**

according to, because of, by means

**Vocabulary:**

words from 1100 through 2400 -  
Elementary and Intermediate Phase of General English  
materials

**Special Expressions/Idioms**

"knock it off" "can it, buddy"

**Verb Combinations**

"two word verbs"

**APPENDIX 7**

**VOCABULARY (machine-generated)**

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included for a cross-reference of vocabulary.

A 7-1-16P

DATA CONTROL NUMBER

Job No / Proj No

# HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

JUL 1 8 1980

WCA  
DLI



168 SL1

**96P Skill 1**

1	ACTUAL OPERATIONS	TRAN	80
2	ADDS	TRAN	80
3	DELETING	TRAN	80
4	DELETING	TRAN	80
5	DELETING	TRAN	80
6	DELETING	TRAN	80
7	DELETING	TRAN	80
8	DELETING	TRAN	80
9	DELETING	TRAN	80
10	DELETING	TRAN	80
11	DELETING	TRAN	80
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93	DELETING	TRAN	80
94	DELETING	TRAN	80
95	DELETING	TRAN	80
96	DELETING	TRAN	80
97	DELETING	TRAN	80
98	DELETING	TRAN	80
99	DELETING	TRAN	80
100	DELETING	TRAN	80

MASTER RECORD	2462	659	1036
RECL	32	80	32
BLKS/RE	2436	6000	3136





















[illegible]



[illegible]

MCS - AD LIST BY E

**5.  $G: V \rightarrow N$**

1501

;

3

5:56

1501

•

•

5.  $G: V \rightarrow N$

1501

•

•

**5. Give:**

1501

•

•

3

;

100

;

!

1

1

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•  
•  
•  
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1501

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;

3

100

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1

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•

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1501

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•

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3

HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER

Job No. Proj No

JUL 18 1980

wcA

DLI



16P 561

**20 BYTES**

GP Skill 1

UPDATE RECORDS	PREC	BLKSIZE
1036	32	3136

16P-KILL 1

CHC  
END LIST BY PAGE

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109.1					
842.7	111.1	110.1	51.1		
110.1					
10.1	110.2	145.9	144.5		
200.2	236.3	202.2	130.3		
134.2	103.2	106.1	135.2		
139.1	187.2				

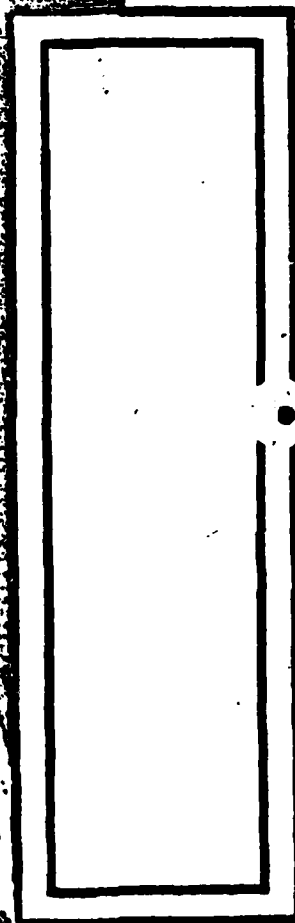
# HEADQUARTERS

## UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER  
Job No / Proj No

16 P-1



WCDS FREQUENCY DISTRIBUTION 820 UNIQUE ITEMS 3,339 RECORDS

52  
T1  
T2  
T1

ABLE  
ABNORMAL  
ADOC  
ACCORDANCE

T30  
T1  
T2  
T1

SUCCESSING  
ACHIEVED  
AGENTS  
ACTION  
ACTIONS

2  
T1  
T2  
T1

ACTIVATING  
ACTIVATION  
ACTIVATOR  
ACTIVE  
AD

T1  
T2  
T1  
T1

ADDITIONAL  
ADJUST  
ADJUSTMENTS  
ADVANTAGE  
AFTER

T2  
T1  
T1  
T1

AFTER-OPERATION  
AFTER-WATER-OPERATIONS  
AIR-IG  
AIDS/  
AIR

T25  
T2  
T2  
T2

AIRCRAFT  
AIRPLANE  
ALEFT  
ALEFTED  
ALEFTING

T13  
T1  
T1  
T1

ALL  
ALLOCH  
ALOLEYTE  
ALSC  
ALTERNATE

T1  
T1  
T2  
T1

A4-LTCC/MSC  
A4-LTCC/MSC  
A4-LTCC/MSC  
A4-LTCC/MSC  
A4-LTCC/MSC

T4  
T4  
T1  
T4

AN  
AND  
AND/OR  
ANNOUNCED  
ANTENNA

#0290

SKILL 1

161

-4 ANY  
T1 APPLICABLE

S2 {  
T1 APPLY  
T1 APPLYING  
T1 APPROACH

T20 APPROPRIATE

7 AGE

810 AREA

82 ARID

1 ARM

21 ARTILLERY

16 AS

T1 AS-L729/VRC

T1 AS-1725/

81 ASSEMBLE

3 ASSEMBLY

85 ASSIGNED

51 ASSOCIATE

15 ASSOCIATED

AT

31 ATTAIN

T1 AUDIBLE

T1 AUDIO

T2 AUXILIARY

T1 AV-2

817 AVAILABLE

1 AVAILABLE

1 AVC10

1 AWAY

T1 A6

T1 A7

2 BACK

21 BACKPLATE

81 BINK

81 BAR

31 BASED

1 BATTERY

70 BCU

26 BE

1 BEFCRE

82 BEFCREDURING-

1 BELCH

1 BENDING

2 BEST

5 BETWEEN

BEYOND  
 26 RINGULARS  
 1 RINGULARS  
 31 BLASTING  
 1 BODY

2 1 ADRE  
 2 2 NOTH  
 1 1 ACTION  
 2 2 ROW  
 2 2 RUNNING

13 BY  
 1 C-238A/VRC  
 1 C-238B/GFA-38  
 1 C-238B/GPA-39  
 2 CABLE

6 3 CALIBER  
 7 1 CANCELLAGE  
 1 CANCELLAGE  
 1 CACOPY  
 1 CAP

3 2 CAPABILITY  
 3 1 CAPABLE  
 1 CAPS  
 1 CAPTURE  
 3 CAPD

1 CARDS  
 13 CARRIES  
 15 CATEGORY  
 1 CAUSES  
 3 CESE

1 CENTER  
 1 CERTAIN  
 1 CHAPARAL  
 46 CHAPARAL  
 1 CHAPARAL

3 CHAPTER  
 1 CHAPTERS  
 4 CHARACTERISTICS  
 2 CHECKING  
 6 CHECK

17 CHECKS  
 1 CLASSROOM  
 2 CLASSROOM  
 1 CLEAN  
 1 CLEANER

CLEANING

CLEAR

CLOSE

CLOSED

CURSA

COCK

CUFFING

CULE

COLD-WEATHER

COMMUNICATOR

COMPLETELY

COMMUNICATOR

COMMUNICATIONS

COMPARTMENT

COMPARTMENT

CONCRETE

COMPLETE

COMPLETED

COMFORT

CONCEALMENT

CONDITION

CONDITIONS

CONFIGURATION

CONNECT

CONNECTOR

CONTAINER

CONTINUE

CONTINUING

CONTROL

CONTROLS

COOLING

CORRECT

CORRECTIVE

CORSAIP

COVER

COVERS

CREW

CREWMAN

CRITICAL

CROSS

CROSSING

CROSSING

CUB

CUP

CUFTAIN

6 5 DA  
6 1 { DAMAGE  
1 1 { DAMAGED  
0 3 DATA  
0 4 DAYLIGHT

7 3 DC  
7 2 DECISIONS  
7 1 { DEENERGIZE  
7 1 { DEFALLIZE  
7 1 DEFECTS

7 1 DEFENSE  
7 2 DEFICIENCIES  
7 2 DEFICIENCY  
8 1 DEPLETION  
7 1 DEPRESSURIZE

6 3 DESIGNATED  
6 1 DESIRABLE  
1 1 DESIRCE  
3 3 DESTROY  
7 2 DESTROYED

1 1 DESTROYS  
1 1 DESTRUCT  
3 3 DESTRUCTION  
7 1 DETECTION  
8 5 DETERMINE

7 1 DEYNATER  
7 1 DEVELOP  
7 1 DEVICE  
7 1 DEPOSED  
7 1 DIFFERENT

7 1 DIRECTION  
7 1 DISASSEMBLE  
7 5 DISCRIMINATE  
7 3 DISPLAY  
7 1 DISTANCE

7 2 { DISTINGUISHABLE  
7 2 { DISTINGUISHING  
8 1 DIVING  
7 3 DC  
7 1 OCCURANCE

8 6 DRILL  
8 1 DUCT  
8 3 DUD  
7 1 DURING  
3 1 DUTIES

1 E  
2 EACH  
- 1 ECHOLON  
- 1 EITHER  
- 1 EJECT

- 1 ELECTRIC  
- 1 ELECTRICAL  
0 1 ELEVATION  
1 1 EMPHASIS  
7 3 EMPLOYEE

5 EMPLOYED  
7 1 EMPLOYED  
1 1 EMPLOYEE  
1 2 EMPLOY  
1 2 EMPLOYE

1 ENERGIZING  
2 3 ENGAGE  
1 0 ENGAGEMENT  
- 1 ENTER  
- 1 ENTERED

- 1 ENTRANCES  
7 1 ENTRIES  
1 1 ENTRY  
- 1 ENVELOPE  
2 5 ENVIRONMENT

7 2 EDD  
2 2 EQUIPMENT  
1 6 EQUIPMENT  
7 1 EQUIVALENT  
7 2 ESC

2 1 ESTABLISH  
1 1 EXAMINATION  
7 1 EXCESS  
- 1 EXHAUST  
- 1 EXIT

1 EXITS  
1 6 EXTREME  
7 5 FAPE  
8 1 FAMILIARITY  
- 1 FAULT

1 FAULTS  
2 2 FEATURES  
- 1 FEET  
- 3 FIELD  
- 1 FIGHTER

-1	FINGER
-2	FINS
-3	PIPE
-4	PIPERAR
-5	FIRING
-6	FISHED
-7	FITTER
-8	FLAT
-9	FLCAYATH
-10	FLOGGER
-11	FLCTATION
-12	FX
-13	F422-17
-14	F44-16P
-15	FOLLOW
-16	FCF
-17	FOPDING
-18	FCGM
-19	FCRMS
-20	FCWARD
-21	FCUR
-22	FREEDON
-23	FREQUENCY
-24	FRESCO
-25	FRIENDLY
-26	FRCM
-27	FUNCTION
-28	FUZE
-29	F104
-30	F105
-31	F111
-32	F14TCMAY
-33	F4
-34	F5
-35	G
-36	GASLINE
-37	GENERATOR
-38	GIP
-39	GIVEN
-40	GCAF
-41	GRENADES
-42	GROUND
-43	GROUP
-44	GUASSED
-45	GUIDED



A 1	INCENDIARY
2	INCLUDE
T 2	INCUING
U 1	INDICATES
7	INDICATIONS
5	INDICATORS
U 1	INDIVIDUAL
2	INFORMATION
U 1	INSERTED
U 5	INSPECT
5	INSPECTION
U 12	INSTALL
U 3	INSTALL/REMOVE/STORE
1	INSTALLATION
2	INSTALLED
T 1	INSTRUMENTS
T 1	INTERCOMMUNICATIONS
U 1	INTRODUCER
T 2	IR
T 1	IRCOUITS
34	IS
T 1	ISOLATION
U 2	ISSUED
1	ITS
1	IV
T 1	JAGUAR
1	KEEP
U 1	KILMETERS
T 1	KICHA
U 14	KIT
7	KNCTS
18	KNCH
T 1	KNOWLEDGE
26	KNOWLEDGES
3	K4
1	LANE
1	LARGE
1	LATCHES
13	LAUNCH
1	LAUNCHER
1	LAUNCHING
1	LEAF
3	LEAFER
2	LEAST
2	LEFT

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LESSONS

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LINK

LIST

LIVED

LIVE

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5

LC'S

LOAD

LOADING

LOCATE

LOCATED

2

2

LOCATION

LOGBOOK

LOW/MEDIUM-PERFORMANCE

LUBRICANTS

LUBRICATE

3

3

LUBRICATING

LUPPLICATION

MACHINEGUN

MAGNETIC

MAINTAIN

1

1

INTENSANCE

MAKE

MALFUNCTION

MALFUNCTIONS

MANNER

1

1

MINUALS

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T1 MI-8  
T1 MI-17  
T1 MI-23  
T1 MI-21  
T1 MINUTES

T1 MIRAGE  
T2 MISFIRE  
T5 MISFIRE/HANGFIRE  
T12 MISSILE  
T4 MISSILES

T1 MK9  
T2 MODEL  
T2 MORE  
T1 MOST  
T1 MOTORS

T3 MOUNT  
T1 MOVE  
T1 MCHMARK  
T1 MPH  
T1 MPU

T2 MTS  
T3 MUST  
T3 M2  
T10 M48  
T7 M54

T1 NAME  
T4 NECESSARY  
T1 NOT  
T1 NEW

T1 NO  
T1 NONELECTRICAL  
T1 NONTACTICAL  
T5 NORMAL  
T3 NOT

T1 NOTE  
T1 NOTED  
T2 NOTIFY  
T3 OBSERVATION  
T3 OBSERVE

T1 OBSERVED  
T2 ON-SERVER  
T1 ON-TASTA  
T1 OCCUPYING  
T5 OCCUPY

3 1 OCCURS

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OPERATION

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OPERATIONS

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OPERATORS

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PARAGRAPHS

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PARTICULAR

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PARTS

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PATTERN

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PERCEPTION

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PERFORM

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PERFORMANCE

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24

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T 1 RADIATING

T 1 RADIO

T 1 PAIR

T 1 PAIRING

T 1 PAIR

T 1 RANGING

T 1 RANG

T 1 READY-FOR-ACTION

T 1 RECEIVER

T 1 RECEIVER-TRANSMITTER

T 1 RECEIVING

T 1 RECEIVING

T 1 RECEPTION-NOY

T 1 RECEPTION

T 1 RECOGNIZE

T 1 RECCOD

T 1 RECCODED

T 1 REDEYE

T 1 REFERENCE

T 1 REFERENCES

T 1 REGARDLESS

T 1 RELATE

T 1 RELATIONSHIP

T 1 RELAY

T 1 REMAIN

T 1 REMOTE

T 1 REMOVAL

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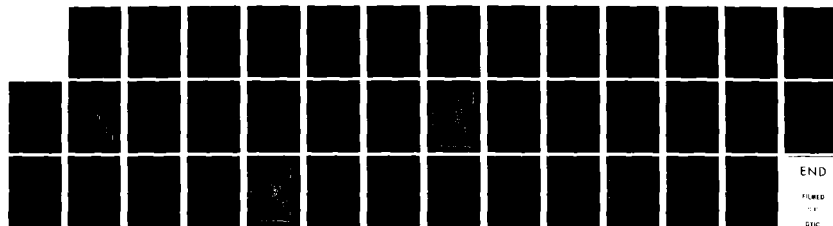
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR A-102  
RANGE AIR DEFENSE ARTILLERY MISSILE CREWMAN(U) DEFENSE  
LANGUAGE INST LACKLAND AFB TX ENGLISH LANGUAGE CENTER.

UNCLASSIFIED

OCT 82

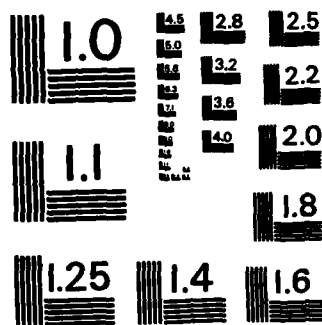
F/G 5/9

NL



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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

T 1 RCCMPT  
 0 1 ROD  
 0 2 ROUNO  
 - 1 EQUDEC  
 T 2 PT-224/VRC

- 1 RULER  
 T 3 R442/VRC  
 T 2 S/L  
 - 2 SAFE  
 - 1 SAFER

- 10 SAFETY  
 - 2 SAME  
 - 1 T 1 SA216A  
 T 2 SCAN  
 T 1 SCCE

T 2 SCREEN  
 T 1 SEAL-T-C-MULL  
 T 1 SEALS  
 0 4 SEARCH  
 - 1 SECOND

4 SECONDS  
 2 5 SECTION  
 0 1 SECTIONS  
 T 2 SECTOPS  
 T 2 SEEKER

0 2 SELECT  
 T 1 SELF-TEST  
 T 1 SENSING  
 T 5 SERVICES  
 T 10 SET

1 (SEVERAL)  
 0 3 SHEETING  
 T 1 SHIFTING  
 - 1 SHOULD  
 1 SIGHT

0 1 SIGHTING  
 1 SIGHTS  
 - 2 SIMILAR  
 0 1 SIMULATED  
 T 3 SITE

0 3 SITUATION  
 0 27 SKILLS  
 T 1 SLIDE  
 - 2 SLIDES  
 - 2 SLOWLY

SOCA

SPECIFIED

SPEEDS

SOT

SQUSC

SQUARED

SQUEEZE

STANDARDS

STANDARDS

ST-FLIGHTER

START

STATION

STATUS

STAY

STCPAGE

STORAGE

STORE

STCW

STRENGTHS

STUDIED

STUDY

SUB-7

SUPCHOOSE

SURCOURSES

SUN SYSTEM

SUCH

SUPPELEVATION/LEAG

SUPPRESSION

SUPPRESSION

SUPPRESSION

SUPPLY

SALW

SWITCHING

SYSTEM

SYSTEMATIC

TA-32/PT

TABIE

TABIES

TACTICAL

TADDS

TARDS/PADAR

TAILGATE

TAKE

TAKEN

TARGET

# TARGETS

TASK  
TASIS  
TEAV  
TEC

## TECHNIQUES

TELEPHONE  
TEMPERATURE  
TENSION  
TERMINA

## TESTING

TFX  
TMAA  
TMAV  
TMT

## THREE

THROUGH  
THUNDER SCHEEP  
TINE  
TINING

T4  
T40-100-219-10  
T40-40-305-  
T40-140-505-10  
T40-140-505-10

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TRAINING

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## TRUCK

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HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER

Job No / Proj No

JUL 22 1961

WCFA

DLI



16P SL2  
275 891

SEQUENTIAL DATA MANAGER

PAGE NO

2 TYPE

RECORD BYTES

2 AJLST  
4 ALL AROUND  
1 ASSEMBLY  
1 BACKSLASH  
1 0430  
1 LIFTKIT  
1 MAKES  
1 PC SIDE

MASTER READ 242  
RECL 32  
BLK SIZE 3136

TRANS REAC  
RECL  
BLK SIZE

180  
80  
8900

UPDATED RECORDS 275  
RECL 32  
BLK SIZE 3136

TRN  
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80  
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205  
202

16P Skill 2

ALTERNATE	24.1	23.1	
BATTERIES	144.1		
CAPACITY	22.1		
CHAPARRAL	142.1	22.2	21.2
CHECKS	144.1	21.1	
CLEAR	24.1		
COMMUNICATIONS	24.2		
COMPASS	24.1	23.1	
CONCEALMENT	24.1		
CONDITION	142.1		
CONDITIONS	22.2	21.1	24.2
CONFIGURATION	142.1		23.1
CONTACTS	144.1		
CORRECTIVE	144.1		
CREW	21.1		
CRFS	22.1		
EQUIPMENT	21.1	24.1	23.2
FM	24.2	23.1	21.1
FRIENDLY	24.1		
GUNNERS	21.1		
HELICOPTER	142.3	22.2	
INDICATIONS	144.1		
INDICATORS	144.1		
JACKSCREWS	142.1		
LUNARICANTS	144.1		
MATTEANCE	21.2	144.1	22.1
MAP	24.2	23.3	
MENTFLY	144.1		
MS4	22.1	21.2	
NOONSL	144.1		
OBSEVATION	24.1		
PLENIGLASS	144.1		
POLISHING	144.1		
POSITIONS	24.3	22.5	
PRIMARY	23.1		
PROCEDURES	144.1	142.1	
RECON	23.1		
REFERENCES	21.1		
REPLACE	142.1		
ROUTES	24.1	22.1	
SAFETY	144.1	142.1	
SEARCH	23.1		
SECTOR	23.1		
SIGHT	24.4		
SITUATION	24.1		
ST/HU/RES	144.1	142.1	24.1
SUPERVISION	22.1	21.1	
TACTICAL	24.2	21.1	
ARMORIAL	144.1		
ACTION	144.1		



3	WEATHER	22.1	21.1	
4	ACCESS	20.1		
4	ACCOUNTING	142.1	22.1	
4	ADVANTAGE	20.1		
4	AERIAL	22.1		
4	AIRLIFT	22.1		
4	ARC	23.6	22.1	21.1 140.7 142.1 24.4
4	APPROPRIATE	21.1	22.1	
4	AT	21.1		
4	ATTACK	22.1		
4	BEST	24.1		
4	CRITICAL	23.1	21.1	
4	DURING	24.2	23.1	
4	EXPECTEC	23.1		
4	FIELDS	24.1		
4	FOLLOWING	24.1		
4	GRUPE	23.1		
4	HAIR	22.1		
4	IF	24.1	23.1	
4	INTO	142.1	23.1	
4	KIT	140.2	22.2	
4	KACOLEGES	24.1	23.1	140.1 142.3
4	LIFE	142.1	22.1	
4	LIFTING	142.1		
4	LIMITED	23.1		
4	LINE	24.1		
4	LOCATION	20.1	23.1	
4	MADISON	20.1		
4	PEFT	20.1		
4	ALPHABET	21.1		
4	OPTIC	24.1		
4	IN	22.1	21.1	140.3
4	OPERATIONS	22.1		
4	CUT	23.1		
4	OUTDOORS	22.1	21.1	
4	PIES	142.1	22.1	
4	PLARJPH	140.1	23.1	23.2
4	PROFANE	22.1	24.1	
4	PLSCHANNEL	140.1	23.1	
4	PJENTIAL	22.2		
4	PCUMES	22.1		
4	PRESENT	21.1		
4	SKILLS	140.1	142.1	24.1 23.4
4	STATION	142.3	22.2	
4	TAPES	140.1		
4	TOT	22.1	140.3	24.4 23.2
4	TIME	21.1		
4	TRAVEL	142.1	22.1	
4	TRACCS	24.1		
4	UNDER	24.1	24.1	

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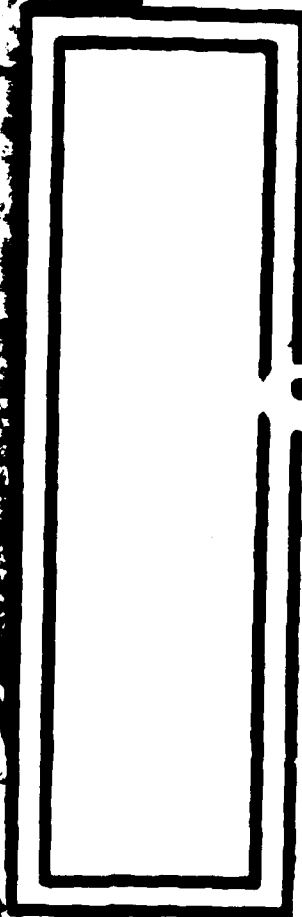
# HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23051

DATA CONTROL NUMBER

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USERS FREQUENCY DISTRIBUTION 212 UNITS ITEMS 472 EXCESS

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W093656 INSECT 212. DELETE 212  
W093657 DATA 212. 00  
W093658 TR4 OVER-ALLCC FACTOR- DATA/MSD-071  
W093659 REF IN . OUT  
W093660 TR403 1021150 1234  
W093661 TR4 212 3000 212. 1. TR40107.0000  
W093662 TR4 212 3000 212. 1. TR40107.0000





## WORD FREQUENCY DISTRIBUTION

FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

20	AND	15	CF	20	THE	8	POSITIONS
7	FOR	7	LAUNCH	7	RECONNAISSANCE	7	STATION
6	CONDITIONS	6	TH	5	CHAPARRAL	5	EQUIPMENT
5	FH	5	HELICOPTER	5	REDEYE	5	WASH
4	AREA	4	AREA	4	HAVE	4	IS
4	KIT	4	KNOWLEDGES	4	MAINTENANCE	4	MAP
4	PERFORM	4	SELECT	4	SKILLS	4	STANDARDS
3	ALL	3	AVAILABLE	3	DUFFING	3	FORM
3	NAME	3	M54	3	CN	3	PREFIRE
3	PREFIRE	3	TACTICAL	3	TO	3	ACCOMMODATING
2	ALTERNATE	2	APPROPRIATE	2	AS	2	ASSEMBLY
2	CRITICAL	2	CHECKS	2	COMPASS	2	CONDUCT
2	ENERGY	2	DA	2	DAYLIGHT	2	DISSEMINATING
2	TATIC	2	FOLLOW	2	GIVEN	2	IF
2	COGNITIVE	2	LIFT	2	LOCATION	2	CR
2	PERFORMED	2	ORGANIZATIONAL	2	OUTDOORS	2	PODS
2	PERFORM	2	PERSONNEL	2	POTENTIAL	2	PROCESSES
2	PERFORM	2	SAFETY	2	SECTION	2	SLINGS
2	SUPERVISION	2	SUPPLEMENTARY	2	SUPPORT	2	TASKS
2	TUCL	2	TRAVEL	2	UNDER	2	USING
2	VEHICLE	2	WEATHER	2	WITH	2	WITHIN
2	APPROACH	2	ACCESS	2	ACTUAL	2	ACCURATE
1	ADJUST	1	ADVANTAGE	1	AERIAL	1	ATLIFT
1	ADJUST	1	ALLOW	1	ALLOWS	1	AN
1	ADJUST	1	APPROXIMATE	1	AT	1	ATTACK
1	ADJUST	1	BACK-BLAST	1	BATTERIES	1	REST
1	PETTER	1	BEYOND	1	CAPABILITY	1	CAPACITY
1	CARGO	1	CHAPARRAL	1	CHAPTER	1	CHIEFS
1	CLEARING	1	CLEAR	1	COMMUNICATIONS	1	CONCEALMENT
1	CONCEALMENT	1	CONFIGURATION	1	CONTROLS	1	CORRECTIVE
1	CONCEALMENT	1	CRANE	1	CREW	1	CREWS
1	CONCEALMENT	1	DAILY	1	DELIVERY	1	DIRECTION
1	CONCEALMENT	1	EGG	1	ESTESS	1	ENTRIES
1	CONCEALMENT	1	EXPECTED	1	FAIR	1	FIELDS
1	CONCEALMENT	1	FH44-26P	1	FOLLOWING	1	FRIENDLY
1	CONCEALMENT	1	GOOD	1	GCCSE	1	GFCUNC
1	CONCEALMENT	1	PIST	1	IDENTIFY	1	III
1	CONCEALMENT	1	IN	1	INDICATIONS	1	INDICATORS
1	CONCEALMENT	1	INSTALLATION	1	JACKSCREWS	1	LIFT-KIT
1	CONCEALMENT	1	LIMITED	1	LINE	1	LC
1	CONCEALMENT	1	LUNARICANTS	1	MANY	1	MATERIALS
1	CONCEALMENT	1	MEET	1	NORTHLY	1	ACRPA
1	CONCEALMENT	1	ACTIFY	1	CONSERVATION	1	CFHE
1	CONCEALMENT	1	OPERATIONS	1	OPERATOR	1	CESTATOR
1	CONCEALMENT	1	PARAGRAPHS	1	PARTY	1	PERMITTING
1	CONCEALMENT	1	PLEXIGLASS	1	POLISHING	1	POSITIVE
1	CONCEALMENT	1	PRACTICABLE	1	PRESENT	1	PREVENTIVE
1	CONCEALMENT	1	PROTECTION	1	PRESENT	1	RECCA
1	CONCEALMENT	1	REPLACE	1	SEARCH	1	SECTOR
1	CONCEALMENT	1	SERVICES	1	SHOULD	1	SIGHT

FREQUENCY/WORD

WORD FREQUENCY DISTRIBUTION  
FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

1 YEAR  
1 WEEKLY  
1 YOU

1 TAKE  
1 USE  
1 WILL

1 TABLE  
1 TRACKS  
1 WHICH

1 SITUATION  
1 TIME  
1 WHEN

HEADQUARTERS

# UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER

Proj No

JUL 22 1980

WCA

DLI



16P SL2

SEQUENTIAL DATA .MIGER

16P SKILL 2

PAGE NO 2 TYPE RECORD BYTES

JLST  
ALLACQUAD  
SSFDLY  
ACKMLAST  
030  
TFTKIT  
AKES  
ESIOLE

TRA  
TRN  
TRN  
TRN  
TRN  
TRN  
TRN  
TRN

TER READ 342  
CL 32  
SIZE 3136

TRANS REAC  
LRECL  
BLKSIZE

100  
00  
0900

UPDATED RECORDS  
LRECL  
BLKSIZE

275  
32  
3136

1	ALTERNATE	24.1	22.1	
1	BATTERIES	144.1		
1	CAPACITY	22.1		
1	CIPHERAL	142.1	21.2	
1	CHECKS	144.1	21.1	
1	CLEAR	24.1		
1	COMMUNICATIONS	24.2		
1	CONPASS	24.1	23.1	
1	CONCEALMENT	24.1		
1	CONSTRUCTION	142.1		
1	CONDITIONS	22.2		
1	CONFIGURATION	142.1	21.1	24.2 23.1
1	CONTRACTS	144.1		
1	CONSTRUCTIVE	144.1		
1	CREW	21.1		
1	CRIMAS	22.1		
1	EQUIPMENT	21.1	24.1	23.2 22.1
1	F4	24.2	23.1	21.1
1	FRIENDLY	24.1		
1	GUINERS	21.1		
1	HELICOPTER	142.3	22.2	
1	IMPLICATIONS	144.1		
1	INDICATORS	144.1		
1	JACKSCREWS	142.1		
1	LEADERS	144.1		
1	MAINTENANCE	21.2	144.1	22.1
1	MAP	24.2	23.3	
1	MONTFLY	144.1		
1	P54	22.1	21.2	
1	REMOVAL	144.1		
1	RESERVATION	24.1		
1	PLEXIGLASS	144.1		
1	POSLIPING	144.1		
1	POSITICS	24.3	23.5	
1	PRIMARY	23.1		
1	PROCECUMES	144.2	142.1	
1	RECGN	23.1		
1	REFLECTOR	21.1		
1	RELICS	142.1	23.1	
1	SAFETY	144.1	142.1	
1	SEARCH	23.1		
1	SECTOR	23.1		
1	SELECT	24.4		
1	SITUATION	24.1		
1	ST/WEARCS	144.1	142.1	24.1 23.1
1	SUPERVISION	22.1	21.1	
1	TACTICAL	24.2	21.1	
2	APACRAL	144.1		
2	ACTION	144.1		

223

723



3	WEATHER	22.1	21.1	
4	ACCESS	24.1		
4	ACCORDING	142.1	22.1	
4	ADVANTAGE	24.1		
4	AERIAL	22.1		
4	AIRLIFT	22.1		
4	JAC	3.0	21.1 144.7 142.1 24.4	
4	APPROPRIATE	21.1	22.1	
4	AT	23.1		
4	ATTACK	23.1		
4	BEET	24.1		
4	CATACLYSMIC	23.1	21.1	
4	DURING	24.2	23.1	
4	EXPECT	23.1		
4	FIELDS	24.1		
4	FOLLOWING	24.1		
4	GRUPE	23.1		
4	WIST	22.1		
4	IF	24.1	23.1	
4	INTO	142.1	23.1	
4	KIT	144.2	22.2	
4	MACHINES	24.1	144.2 142.1	
4	LIFT	142.1	23.1	
4	LIFTING	142.1		
4	LIFTED	23.1		
4	LINE	24.1	23.1	
4	LOCATION	24.1		
4	ADJUST	24.1		
4	PEFT	24.1		
4	ALPHABETICALLY	23.1		
4	OPTIC	24.1		
4	ON	23.2	21.1 144.2	
4	OPERATIONS	23.1		
4	CUT	23.1		
4	OUTDOORS	23.1		
4	PICS	142.1	21.1	
4	PERJURY	144.1	23.1 21.2	
4	PERMANENT	22.1		
4	PSYCHICAL	144.1	23.1	
4	PSYCHICAL	23.2		
4	PSYCHES	22.1		
4	PREJUDICE	21.1		
4	SKILLS	144.1	142.1 24.1 23.4	
4	STATICA	142.1	22.2 21.2	
4	TIME	144.1		
4	TIME	25.1	144.2 24.4 23.2	
4	TIME	23.1		
4	TRAVEL	142.1	22.1	
4	TRUCKS	24.1		
4	WALK	24.1	24.1	

225

225

USI	24.1		
USMC	144.1	21.1	
USN	24.1	23.1	
USAF	24.1		
USCG	24.1		
USMA	24.2		
USP	24.1	23.1	
USIA	144.1		
USDOJ	23.1		
USDOH	144.1		
USDOE	142.1		
USDOA	142.3	20.1	22.1
USDOH	24.4		20.1
USDOH	21.1		
USDOH	21.1	144.1	22.1
USDOH	144.1	24.3	23.9
USDOH	21.1	23.1	
USDOH	23.1		
USDOH	24.1	27.6	
USDOH	23.1		
USDOH	142.1	23.2	
USDOH	144.1		

#### **APPENDIX 8**

##### **60 ECL STRUCTURES AND LEXICON**

The following list of 60 ECL structures is included as an addition to the structural and lexical list. These structures and lexical items are very basic. Giving examples of each and every item would make this document much more cumbersome. Therefore to facilitate review, this list was attached. (See Section II for discussion.)

# LIST OF LEXICAL AND SYNTACTICAL ITEMS FOR A 60 NCL

## Sentences:

- |                  |                         |
|------------------|-------------------------|
| A. Declarative   | statement               |
| B. Interrogative | question                |
|                  | (1) wh- questions       |
|                  | (2) tag questions       |
|                  | (3) yes/no questions    |
| C. Imperative    | command, polite request |
| D. Exclamatory   | exclamation             |

## Sentence Complexity:

- |                     |  |
|---------------------|--|
| A. Simple           | one full subject and predicate                                     |
| B. Compound         | two or more independent clauses joined by:                         |
|                     | a. punctuation   |
|                     | b. punctuation and conjunctive adverb                              |
|                     | c. coordinate conjunction  |
| C. Complex          | one or more dependent clauses and an independent clause            |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses. |

## Verbs:

- |                            |   |
|----------------------------|---|
| A. Concord                 | subject-verb agreement  |
| B. Transitive              | takes an object   |
| C. Intransitive            | doesn't take an object  |
| D. Copula                  | to be   |
| E. Linking                 | connectors  |
| F. Auxiliaries of tense    | will, do, did   |
| G. Auxiliaries of modality | should, ought to, must, have to, have got, to, able to, can, may, might, could, would |
| H. Tense                   | present, past   |
| I. Aspect                  | perfect, progressive  |

## Verbal Forms:

- |                       |               |
|-----------------------|---------------|
| A. Present Participle | active voice  |
| B. Past Participle    | passive voice |

## Voice:

- |            |                            |
|------------|----------------------------|
| A. Active  | subject does action        |
| B. Passive | subject does not do action |
| (a)        | agent expressed            |
| (b)        | agent not expressed        |

## Nouns:

- |               |           |
|---------------|-----------|
| A. Singular   | man, pen  |
| B. Plural     | men, pens |
| C. Count      | chairs    |
| D. Mass       | flour     |
| E. Possessive | soldier's |
| F. Collective | fish      |

## Adjectives:

- |                             |                           |
|-----------------------------|---------------------------|
| A. Predicative              | The tank is green.        |
| B. Attributive              | The green tank is moving. |
| C. Degree of comparison     |                           |
| (a) regular                 | big, bigger               |
| (b) irregular               | worse, worst              |
| D. Ordinal/Cardinal Numbers | first, one                |

## Adverbs:

- |                   |                         |
|-------------------|-------------------------|
| A. Time/Frequency | immediately, today, ago |
| B. Place/Position | here, there, everywhere |
| C. Manner         | maybe, possibly         |
| D. Negative       | no, never               |
| E. Comparison of  | nearest, harder         |
| F. Degree         | thoroughly, completely  |

## Articles:

- |               |           |
|---------------|-----------|
| A. Definite   | a, the    |
| B. Indefinite | any, some |

## Pronouns:

- |                  |                     |
|------------------|---------------------|
| A. Personal      | you                 |
| B. Demonstrative | that                |
| C. Indefinite    | anybody, both, each |
| D. Reflexive     | himself, yourself   |
| E. Cases of      | I, me, my, mine     |
| F. Relative      | who, whom, whose    |
| G. Interrogative | who, which, what    |

## Conjunctions:

- |                       |                              |
|-----------------------|------------------------------|
| A. Coordinating       | and, but, or, nor            |
| B. Subordinating      | because, if, as, that, after |
| C. Correlative        | either, or                   |
| D. Conjunctive adverb | therefore, furthermore       |